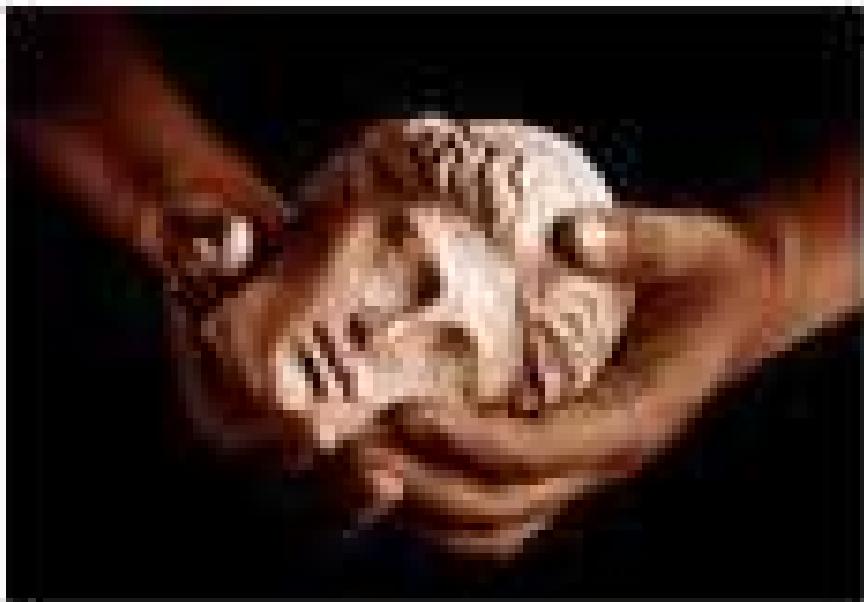


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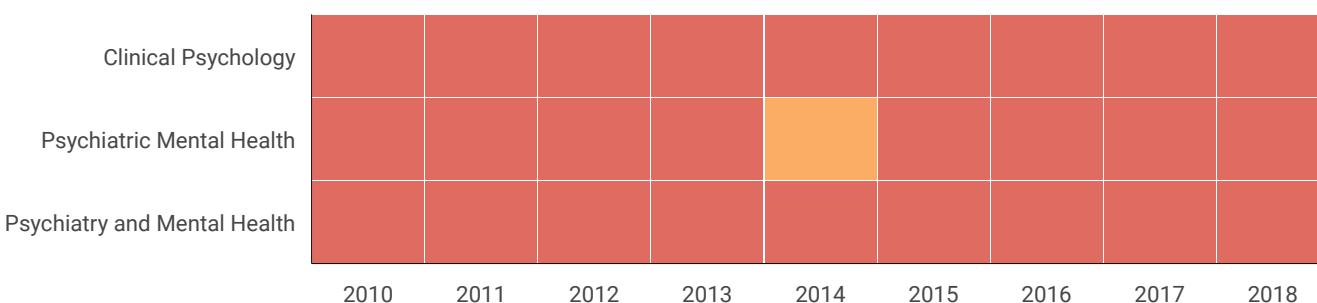
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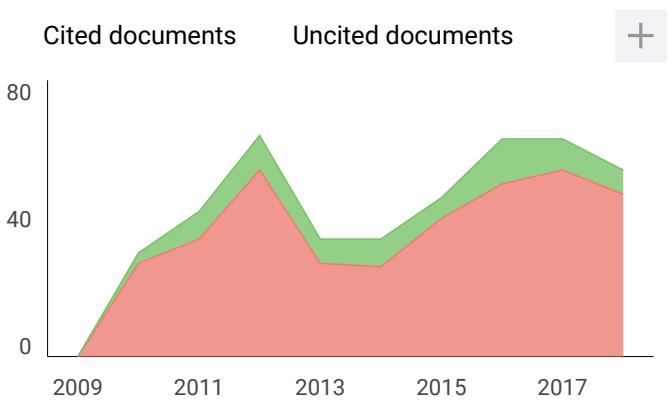
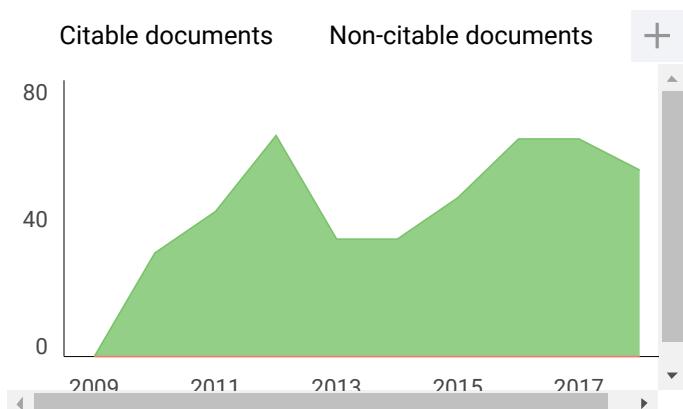
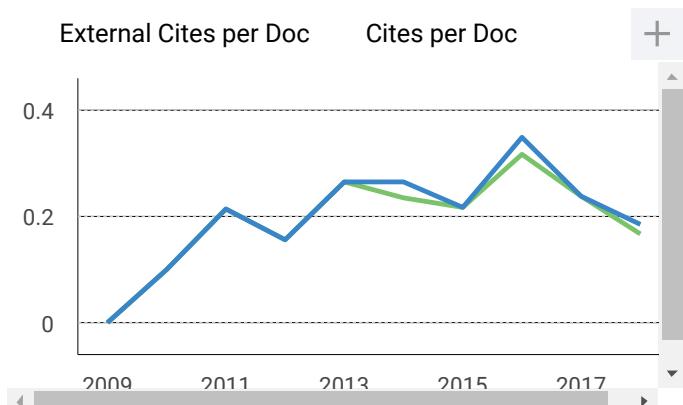
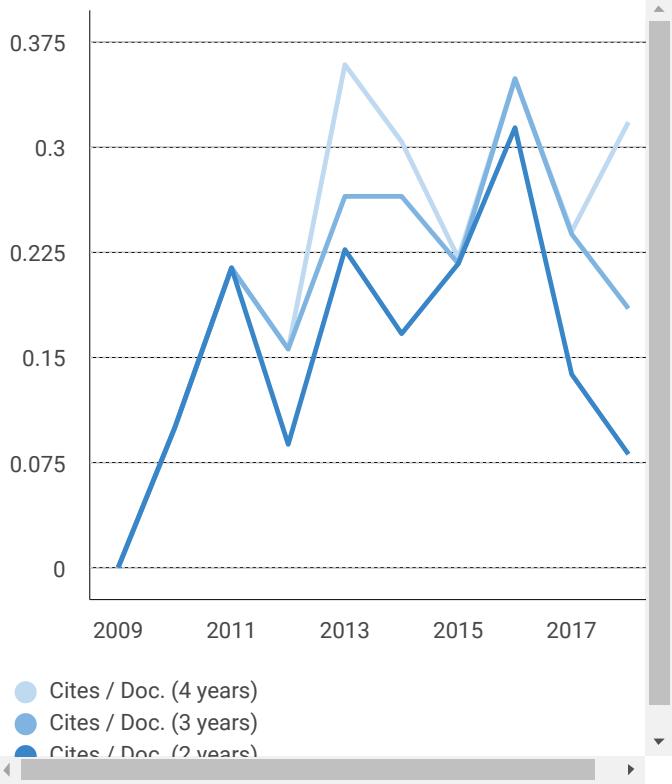
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### **Psychosocial Rehabilitation – Assertive Community Treatment**

The pace of change in the community mental health field is staggering. Twenty years ago we thought sheltered workshops were great. Today sheltered workshops have fallen into disfavour. Ten years ago we believed that day treatment programs were “it”. We’ve changed our minds about those too. It makes us wonder what will be the state-of-the-art ten years from now.

A similar transformation or evolution has happened in supportive housing. Twenty years ago, the Homes for Special Care system was the prominent form of supportive housing. Ten years ago, group homes which offered life skills training were heralded as the best choice for people disabled by mental illness. Today, permanent, normal housing with access to flexible supports is considered the ideal. All of these changes have several things in common. Reflected in these changes is the recognition that reduction of psychiatric symptoms alone is not enough; we also need to look at the whole person and how he/she functions in their home, work, school and social life. In addition to teaching people skills in relation to these settings we also need to increase environmental supports and resources. Just as the wheelchair-bound person needs ramps to enter a building, so too does the psychiatrically disabled person need modifications to their environment to support independent functioning. A very important factor in this evolution is the growing appreciation of providing choices and recognizing people’s preferences. How many more changes would we see if we gave the consumers the power to purchase the kind of treatment and support services they wanted.

The move away from a solitary focus on symptomatology to looking at one’s level of functioning in the world, brings with it the basic assumption or belief in hope. It has to because we do not have the ability to predict who will do well and who won’t. It also sets the stage for an approach that builds on strengths and abilities rather than emphasizing symptoms or illness.

Another common element in the evolution of community mental health is the true individualization of services. In the past we kidded ourselves that programs were individualized because we gave the consumer the choice of attending a budgeting or assertiveness training group in their day program, or because we assumed that one-to-one counseling meant individualization within a “prepackaged” program. Pre-set, time-limited programs were easy to administer but have shown poor results due to their inability to truly address individual needs. Dr. Wm. Anthony has often described these packaged programs by using the analogy of an optometrist handing a basketful of eye glasses to a patient and telling them to pick the ones

they want. True individualized programs custom tailor their services to each person, much like the optometrist prescribing lenses for each patient. Getting away from the perceived need to congregate people in time-limited, prepackaged programs has done a lot to improve our ability to address individual needs and wants.

The common elements in these changes or evolution have combined to form a new clinical technology. Psychosocial rehabilitation (PSR) is currently considered one of the most promising intervention approaches in working with psychiatrically disabled adults. Unfortunately, there has also been a great deal of confusion about PSR. Over the last 30 years, hundreds of services and agencies have claimed they are using PSR. The rapid growth in the use of this approach has fostered many variations and innovations (some credible and some radical). There are, however, (at least in our minds) ten essential elements that characterize the PSR approach :

**Individualization** : services must be custom tailored to the individual. This means that program delivery must be very flexible and driven by individual choice.

**Hope** : belief in the potential to change and grow of even the most severely disabled individual. Within everyone is an untapped, under-utilized human capacity that should be developed.

**Client-directed** : people have the right and a responsibility for self-determination. This means the consumer makes the decisions including how long they receive the service.

**Focus on skills** : the core of rehabilitation is increased competencies through skill acquisition.

**Strengths and abilities** : an emphasis on current strengths and abilities and not on symptom reduction or problems from the past.

**Environmentally specific** : strengths and abilities must be assessed in relation to a specific environment. Skills must also be taught in relation to the environment in which they will be used.

**Environmental supports** : modifying the environment and building external supports are equally as important as skill teaching. This includes social change (changing attitudes, rights, laws, etc.)

**Partnership approach** : the creation of an intimate environment with no professional authoritative barriers is essential.

**On-going support** : programs should not be time-limited but geared to the individual. Program delivery must be very flexible and by individual choice. History has shown us that many seriously mentally ill people succeed as long as support is provided on an on-going basis.

**Skills and supports in balance** : a person can only concentrate on improving/learning 1-2 skills at a time. Supports must be provided in any other deficit areas to enable the person to function until they master the current skills and can move on to learning or improving 1 or 2 more skills. Therefore, skills and supports are always in balance with one another.

It will be very interesting to watch the further evolution of this approach in the next ten years. One can expect even more significant changes to occur given the strength of the consumer movement and the recent heightened emphasis on PSR programming by the Ministry of Health.

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DOI: [10.37200/IJPR/V24I9/PR290039](https://doi.org/10.37200/IJPR/V24I9/PR290039)

**Institutional Role of Farmers Apples in Pasuruan**

Authors: Kholid Murtadlo

DOI: [10.37200/IJPR/V24I9/PR290040](https://doi.org/10.37200/IJPR/V24I9/PR290040)

**THE USAGE OF PLANTS IN POEMS**

Authors: Djalilova Zarnigor Bahodirovna

DOI: [10.37200/IJPR/V24I9/PR290041](https://doi.org/10.37200/IJPR/V24I9/PR290041)

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Authors: Ulugbek Abdu vahovich Khamdamov, Rano Olimjon kizi Hakimjonova

DOI: [10.37200/IJPR/V24I9/PR290042](https://doi.org/10.37200/IJPR/V24I9/PR290042)

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Authors: Norova Mehri Bakhtiyorovna, Vosiyeva Shahnoza Islamovna

DOI: [10.37200/IJPR/V24I9/PR290043](https://doi.org/10.37200/IJPR/V24I9/PR290043)

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Authors: Gafurova Dilbar Hakimovna, Sariev Akhtam Burievich, Sattorova Dilrabo Tukhtasinovna, Mirxanova Matluba Sadikovna, Sharipova Albina Romanovna,

DOI: [10.37200/IJPR/V24I9/PR290044](https://doi.org/10.37200/IJPR/V24I9/PR290044)

**PREVALENCE OF DENTOALVEOLAR ANOMALIES IN 6-16 YEARS CHILDREN ACCORDING TO RETROSPECTIVE DATA ANALYSIS**

Authors: Olimov S.Sh, Gaffarov S.A, Yakubov R.K, Saidov A.A, Badriddinov B.B

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**IMPROVING THE SYSTEM OF SPIRITUAL AND MORAL-SPIRITUAL TRAINING OF FUTURE TEACHERS**

Authors: Y. Nurumbekova

DOI: [10.37200/IJPR/V24I9/PR290046](https://doi.org/10.37200/IJPR/V24I9/PR290046)

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Authors: M.U. Narmetova, A.D. Makhmudova, I.A. Ysupova, M.A. Nadjimitdinova

DOI: [10.37200/IJPR/V24I9/PR290047](https://doi.org/10.37200/IJPR/V24I9/PR290047)

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Authors: U. U. Rakhmanova, D.N. Suleymanova, M.I. Shamsutdinova, I.Yu. Masharipova, N.H. Ishchanova

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Authors: Lola Yunusovna Akramova, Shakhlo Ruzmat-Kizi Mirzaeva, Dilnavoz Botirovna

Makhametova, Hulkar Asatullaevna Lutfullaeva, Mukhlisa Mirsalikhovna Makhametova

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Authors: Dilfuza Melievna Makhmudova, Bakhrom Ruzievich Tadjibaev, Gavhar Kholboevna

Dusmurodova, Gulshad Tileuvna Yuldasheva

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Authors: Zamira Teshabaeva

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Authors: Dilfuza Inogamova, Nodira Rustamova

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Authors: V.Fayziev, D.Javlieva, Z.Kadirova, S.Chirkov, U.Jurayeva, A.Vakhabov

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Authors: KILICHEVA MEKHRINISO RAJABOVNA

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Authors: Gafurdjan Isroilovich Mukhamedov, Dilfuza Melievna Makhmudova

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Authors: M.S. Salaev, M.E. Khaydarov

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Authors: Toirov Murtoza Shavkidinovich, Tulkin Ishanovich Askarhodjaev, Nigora Alimdjanovna Akbarova, Sanabar Rejepbaevna Reymbaeva

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Authors: Umarzoq Abdurazzokovich Jumanazarov, Guljahan Umirzakovna Jumanazarova, Dilnoza Umirzakovna Jumanazarova

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Authors: Shokhida Isokovna Siddikova

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Authors: Dilnoz Isomjanovna Ruzieva, Nodira Rustamovna Rustamova, Diyor Sunnatovich Tursunov,

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DOI: [10.37200/IJPR/V24I9/PR290060](https://doi.org/10.37200/IJPR/V24I9/PR290060)

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Authors: Dilnoz Isamjanovna Ruzieva

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Authors: Inessa Vyacheslavovna Morkhova

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Authors: Tavbay Karshihevich Khankelov, Norkul Rabbonayevich Aslonov, Mavlyan Saidakbarovich Kudaybergenov, Fotima Irkinovna Djumabaeva, Shoira Shagiyazovna Saidova

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Authors: Sanobar Absaatovna Djumaea

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Authors: Shakhzoda Abdullaevna Abdullaeva, Ismigul Berdimurodovna Khushmurodova

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Authors: Nasiba Yunusovna Usmanova, Azima Azizovna Primova, Nigora Ne'matovna Rasulova

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Authors: Nigina Bahodirovna Ismatova

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Authors: Uktam Pardaevich Umurzakov, Sultanov Bahodir Fayzullaevich, Adilova Guzal Abdazovna

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Authors: Ikromov Amirkbek Aminovich

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Authors: Lola Abrorxodjaevna Abduazimova, Diyora Bakhtiyorovna Abbasova, Mukhayyo

Kuranbaevna Kuchkarova, Djurabek Abdunabievich Dinikulov

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Authors: Ozoda Jumayeva Ilhomjonovna, Izzatulla Akromov Ikromovich, Mohigul Saparova

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Authors: Yuldasheva Feruza Erkinovna, Djumayeva Nozima Djurabaevna, Shukurova Madina

Askarovna

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Authors: Jabborova Nafisa Hikmatovna, Sharapova Gulshan Sharapovna, Ikromova Maqsuda

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Authors: Namozova Kamola Bobir qizi, Usmonova Zarina Habibovna, Yadgarova Zebiniso

Tolibovna, Bobojonova Nargiza Jumaniyozovna

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Authors: Sayfullaeva Rano Raufovna, Bobokalonov Ramazon Radjabovich, Hayitova Nigina

Ikromovna

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Authors: Somsak Thojampa, Sirikanok Klankhajhon

DOI: [10.37200/IJPR/V24I9/PR290076](https://doi.org/10.37200/IJPR/V24I9/PR290076)

**The Development of Geographic Information System for the Elderly Healthcare Management in Thailand**

Authors: Somsak Thojampa, Roongtiva Boonpracom, Polpreecha Chidburee

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**Parental Attention and Children's Addiction to Online Games**

Authors: Nur Hidaayah\*, Kusnanto Kusnanto, Ah Yusuf, Wesiana Heris Santy, Resti Utami

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Authors: Supatmi Supatmi\*, Ade Susanti, Dinda Tri Wahyuni, Esty Yunitasari

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Authors: Iswatun Iswatun, Kusnanto Kusnanto, Risma Mirauna, Abd Nasir, Ali Sairozi, Khotibul Umam

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Authors: Hernandia Distinarista, Apriliani Yulianti Wuriningsih, Sri Wahyuni, Tutik rahayu

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Authors: Retno Issrovatiatingrum, Ahmad Ikhlasul Amal

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Authors: Siska Kusuma Ningsih, Laily Hidayati, Retnayu Pradanie

DOI: [10.37200/IJPR/V24I9/PR290083](https://doi.org/10.37200/IJPR/V24I9/PR290083)

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Authors: Laily Hidayati, Elly Ardianti, Aria Aulia Nastiti

DOI: [10.37200/IJPR/V24I9/PR290084](https://doi.org/10.37200/IJPR/V24I9/PR290084)

**Health Education Effect of Roleplay Method on Improvement of Self Confidence In Child Obesity Victims of Bullying (10-12 years)**

Authors: Harmayetty Harmayetty, Wahyu Novita, Ilya Krisnana

DOI: [10.37200/IJPR/V24I9/PR290085](https://doi.org/10.37200/IJPR/V24I9/PR290085)

**Symptom Burden and Health-Related Quality of Life Among Patients with Heart Failure in Indonesia**

Authors: Masroni Masroni, Hsing-Mei Chen

DOI: [10.37200/IJPR/V24I9/PR290086](https://doi.org/10.37200/IJPR/V24I9/PR290086)

**The Effect of Benson Relaxation on Anxiety Levels for Third Trimester Pregnant Women: A Pilot Study**

Authors: Aria Aulia Nastiti, Esti Yunitasari, Dhini Kartika Ning Tyas

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**Effect of Uncertainty on Adherence and Quality of Life in Breast Cancer Survivors: A Systematic Review**

Authors: Susilo Harianto, Nursalam Nursalam, Emuliana Sulpat, Amelia Mardhika

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Authors: Agusta Dian Ellina, Nursalam Nursalam, Esti Yunitasari, Aprin Rusmawati

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**Correlation of Family Support and Quality of Life among DM type II Patients in Primary Healthcare**

Authors: Dewa Ayu Rismayanti, Nursalam Nursalam, Gede Budi Widiarta, G Nur Widya Putra, Ni Putu Widiantari, Putu Windy Ridayanti, Ni Wayan Suniyadewi

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**The Effectiveness of Health Education Intervention to Promote Breast Self- Examination Practice: A Systematic Review**

Authors: Nyein Moh Moh Myint, \*Nursalam Nursalam, Eka Mishbahatul M Has

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**Individual Factors of Health Seeking Family Behavior Caring for Mental Illness with Physical Restraint (Physical Restraint) in Manggarai Regency: Descriptive Study**

Authors: Antonia Rensiana Reong, Shrimarti Rukmini Devy, Ferry Efendi

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**Factors Related to the Nurse's Motivation on Fulfilling the Personal Hygiene of Patients in Total Care**

Authors: \*Andri Setiya Wahyudi, Retnayu Pradanie, Oktovianus Tahu Klau

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Authors: Heni Kurniawaty, Ika Yuni Widyawati, Arina Qona'ah

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**The Factors Related to Exclusive Breastfeeding among Working Mothers Based on the Theory of Becoming a Mother Approach**

Authors: \*Ilya Krisnana, Aria Aulia Nastiti, Ninik Choirinidah

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Authors: \*Hanik Endang Nihayati, Ramona Irfan Kadji, Praba Diyan Rachmawati, Ah Yusuf, Rizki Fitryasari, Dian Tristiana, Fildzah Cindra Yunita

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Authors: \*Nur Aini Lutfi Rahmawati, Padoli Padoli, Dia Amalindah, Nur Hidayatin, CH.R. Yeni Suryandari

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Authors: Suyanto Suyanto, \*Ahmad Ikhlasul Amal, Mohammad Arifin Noor

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Authors: \*Maulin Halimatunnisa, Retno Indarwati, Masunatal Ubudiyah, Trihartuty, Ni Ketut Putri Martha Sari, Saverinus Suhardin

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**Sexual Activity and Satisfaction in Cervical Cancer Patients**

Authors: Eka Mishbahatul M. Has, \*Tiyas Kusumaningrum, Ria Restu Resmi Rahayu, Setho Hadisuyatmana, Retnayu Pradanie  
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**Social Support and Individual Support for Bullying Prevention among Adolescents in the School: A Systematic Review**

Authors: Masunatul Ubudiyah, Nursalam Nursalam, \*Tintin Sukartini  
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**The Effect of Listening to Asmaul Husna, Isometric Handgrip Exercise, and Foot Hydrotherapy Intervention to Reduce Blood Pressure in the Elderly with Hypertension**

Authors: \*Abu Bakar, Indah Mahmudah Khusniyah, Ika Nur Pratiwi  
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Authors: \*Anis Rosyiatul Husna, Ach. Taufiq, Septian Galuh Winata  
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Authors: \*Yulis Setiya Dewi, Nursalam Nursalam, Rachmat Hargono  
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**The Correlation between Intensity of Smartphone Usage with Social Media Addiction, Fear of Missing Out, and Need for Touch among Adolescents**

Authors: Eka Mishbahatul Mar'ah Has, Nia Istianah, Arina Qona'ah  
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Authors: Yanis Kartini, Nursalam Nursalam, Ahsan Ahsan, Iis Novent, Sulastri, Uci Nurhayati  
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Authors: Ernawati Ernawati, \*Nursalam Nursalam, Shrimarti Rukmini Devy  
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**Factors Contributing to the Implementation of Situational Leadership in Hospitals**

Authors: Heryyanoor Heryyanoor, \*Nursalam Nursalam, Abdul Aziz Alimul Hidayat, Raziansyah Raziansyah, Rusdiana Rusdiana, Asni Hasaini  
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**Local Wisdom in Traditional Games as a Family Literacy Media**

Authors: Ni Kadek Juliantri, Ketut Sudarsana, Komang Badra, Wayan Jatiyasa, Wayan Yanik Yasmini, Ida Ayu Made Gayatri  
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**Association of Individual Characteristic and Blood Pressure with Prevalence of Diabetes Mellitus**

Authors: Agus Aan Adriansyah, Nurul Jannatul Firdausi  
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Authors: Akas Yekti Pulih Asih, Abdul Muhith, Mamik  
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Authors: M Alimansur, P Santoso  
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Authors: Arif Helmi Setiawan, Chilyatiz Zahroh, Lilik Eviana, R. Khairiyatul Afiyah, Khamida

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Authors: Dewi Retno Puspitosari, Siti Urifah, Achmad Wahdi, Siti Maisaroh, Tiara Fatma Pratiwi

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**Acceptance and Commitment Therapy (Act) on Increasing the Compliance of Management Diabetes Mellitus Type 2**

Authors: Difran N. Bistara, Rusdianingseh, Susanti, Erika M. Wardani, Yurike Septianingrum, Nur Ainiyah, Andikawati Fitriasari, Iis Noventi, Siti N. Hasina

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**Application of Safe Sex Behaviour in Female Sex Worker and Sexual Transmitted Infection**

Authors: Esty Puji Rahayu, Lailatul Khusnul Rizki, Elly Dwi Masita, Nanik Handayani, Rizki Amalia

DOI: [10.37200/IJPR/V24I9/PR290116](https://doi.org/10.37200/IJPR/V24I9/PR290116)

**A Study on Dietary Intake Categories and Fasting Blood Glucose Serum Among Adults with Type 2 Diabetes Mellitus**

Authors: Farah Nuriannisa, Kartika Yuliani

DOI: [10.37200/IJPR/V24I9/PR290117](https://doi.org/10.37200/IJPR/V24I9/PR290117)

**Influence of Job and Salary on Job Satisfaction on Nurses in Special Inpatient Units**

Authors: Anggela Vetania Fernanda, Fauziyatun Nisa', Fritria Dwi Anggraini, Annif Munjidah and Hinda Novianti

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**Family Roles in the Process of Adaptation CVA Patients With Mobilization Physical Disorders by Callista Roy Theory**

Authors: Hakim Tobroni HR, Meggy Wulandari Kai, Ahmad Fudali, Novia Susanti, Wardah Alkatiri

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**Relationship of Job Satisfaction with Performance of Contract Nurses In Islamic Hospital of Surabaya**

Authors: Ika Mardiyanti, Satriya Wijaya, Alinawati Laila Mufarrohah, Agus Aan Adriansyah, Priyo Mukti Pribadi Winoto, Siti Damawiyah, Budhi Setianto

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**The Effect of Listening Murrotal Al-Quran Surah Ar-Rahman on Menstrual Pain Scale**

Authors: Ika Mardiyanti, Medyasa Anggraeni, Yasi Anggasari, Nur Zuwariyah, Adenia Dwi Ristanti, Faridah Umamah

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**School Readiness and Achievement Motivation as Academic Achievement Predictors in Elementary School Students**

Authors: Lely I. Mariyati, Ghozali R. Affandi, Rifki Afandi

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Authors: N Oktavianisya, E Mulyadi, E Y Ningsih

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Authors: Nur Masruroh, Yati Isnaini Safitri, Uliyatul Laili, Ratna Ariesta Dwi Andriani, Siska Nurul Abidah

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**Effect of Dimensions of Service Quality on Satisfaction of BPJS Patients in Outpatient Health Center Bungah Gresik Installation**

Authors: Sakhowi A. Al Awwarij, Chilyatiz Zahroh, Satriya Wijaya, Kamida, Agus Aan Adriansyah.  
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Authors: Siti Nurjanah, Riswanda Imawati, Wesiana Heris Santy, Ima Nadatien, Umi Hanik, Eppy Setyowati  
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Authors: Tiara Fatma Pratiwi, Siti Nurjanah, Siti Maisaroh, Achmad Wahdi, Dewi Retno Puspitosari  
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Authors: Yanis Kartini, Roni Setiyawan, Puji Astuti, LonoWijayanti, Umdatus Soleha  
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Authors: Sarkadi, Asep Rudi Casmana  
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Authors: Tjipto Sumadi  
DOI: [10.37200/IJPR/V24I9/PR290130](https://doi.org/10.37200/IJPR/V24I9/PR290130)

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Authors: Andi Nurzakiah Amin, Andi Zulkifli, Suriah, Nurhaedar Jafar, Alimin Maidin, Tahir Abdullah  
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Authors: Azis Hakim  
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Authors: Faradiba Anggraeni, Indar, Muhammad Syafar  
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Authors: \*Damar Kristanto, Bambang Suharto, M. Nilzam Aly  
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Authors: Annafsa Zaky Rahmi, Dyah Nawang Palupi, Taufan Bramantoro  
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Authors: Farouk Abdulkarim Yasin Al-Ghazaly, Taufan Bramantoro, Nastiti Faradilla Ramadhani  
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Authors: Ifa Fanny Sakti, Aulia Ramadhani

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Authors: ASL Lindawati, Ivani

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Authors: Sena Wahyu Purwanza, \*Rizki Fitryasari, Puji Rahayu

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Authors: Agus Budiman, Achmad Hufad, Uyu Wahyudin, Ade Sadikin Akhyadi, Nani Sutarni, Abdul Rahmat

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Authors: I Wayan Kartimin, Nyoman Sunarta, Nyoman Sudiarta, Nuruddin

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Authors: Teti Ratnasih, Titi Ratna Garnasih

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Authors: Suhadi, Asep Rudi Casmana, Iqbal Syafrudin

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Authors: Thamer Abdulkareem Dhahir

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Authors: Lembah Andriani Sulistyaning Dyah, Margono Setiawan, Dodi W. Irawanto, Fatchur Rohman

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**AUTONOMOUS WEAPONS SYSTEM (AWS): WEAPON REVOLUTIONARY OR WEAPON OF MASS DESTRUCTION?**

Authors: Sugeng Riyanto, Muhammad M. Iberahim

DOI: [10.37200/IJPR/V24I9/PR290147](https://doi.org/10.37200/IJPR/V24I9/PR290147)

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Authors: Suciati, Nashwan

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Authors: Tuti Widastuti

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Authors: Muria Endah Sokowati, Tri Hastuti Nur Rochimah  
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Authors: Bambang Leo Handoko, Julien Setyana  
DOI: [10.37200/IJPR/V24I9/PR290151](https://doi.org/10.37200/IJPR/V24I9/PR290151)

**Career Expectations, Difficulties And Choices In Nursing Students: A Cross-Sectional Study**

Authors: Andri Setiya Wahyudi, Rr Dian Tristiana, Lingga Curnia Dewi, Candra Panji Asmoro, Ni Putu Wulan Purnama Sari, R Endro Sulistyono  
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Authors: Fitria Earlike Anwar Sani, Made Budarsa, Syamsul Alam Paturusi, Indayati Lanya  
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Authors: JANNAT FALAH, SALASABEEL F. M. ALFALAH, TASNEEM ALFALAH, WALAA QUTECHATE, HANI AYYOUB, NADIA MUHAIDAT  
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Authors: Novian Swasono Hadi, Rahma Labatjo, Denny Indra Setiawan, Indra Domili, Puspita Sukmawati Rasyid, Abdul Rahmat  
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Authors: Sahat Aditua Fandhitya Silalahi, Fachrurazi  
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Authors: Twediana Budi Hapsari, Rhafidilla Vebrynda  
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Authors: Ratnawati, A. Reindera Putra  
DOI: [10.37200/IJPR/V24I9/PR290158](https://doi.org/10.37200/IJPR/V24I9/PR290158)

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Authors: Husni Amriyanto Putra  
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Authors: Adhianty Nurjanah, Aswad Ishak, Sakir  
DOI: [10.37200/IJPR/V24I9/PR290160](https://doi.org/10.37200/IJPR/V24I9/PR290160)

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Authors: Eli Jamilah Mihardja, Tuti Widiasuti, Prima Mulyasari Agustini, B.P. K Bintoro  
DOI: [10.37200/IJPR/V24I9/PR290161](https://doi.org/10.37200/IJPR/V24I9/PR290161)

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Authors: Mohammad N. Aldalain

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**Students' Foreign Anxiety Reviewed from Religiosity through the Mediation of Learning Motivation**

Authors: Fuad Nashori, Bahril Hidayat, Adam Anshori, Ary Antony Putra, Rasyid Fahmi Suroso,

Noor Winda Novariana

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**The effect of using Appleton's model on fifth- primary grade pupils' scores and trends toward social textbooks.**

Authors: Ridha Tuama Obaid

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**Oxymoron in English and Arabic Modern Poetry: A Contrastive linguistic Study**

Authors: Fida' Al-Mawla, Besmaa Majid Falih

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Authors: Aseel Sabbar Mohammed

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Authors: Faisal Abed Alhafaz Alshawabkeh, Abdulla Abdul Rahman Alteneji

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Authors: Hassan Ghanem Fadala Al-Janabi, Faris Azeez Muslim Al- Husainy

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Authors: Hasan Hameed Mohsin Ali Al-Ta'ee

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Authors: Ibrahim Muhi Naser

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Authors: Ihab Ibrahim Zaidan AL-Saadi, Hayder Diekan Darweesh

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Authors: Muayad Manfi Mohammed

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Authors: Mohammed Hasan Kadhim, Khaled Kadhem Auda

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Authors: Osama Kadhim Omran Al-Taie

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Authors: Saif Adnan Irhayyim Qays  
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Authors: Sukaina Hussein, Kadhim Taju Din  
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**Crimes of Assaulting Privacy and Violating Public Morals via Smart Phones. According to the Information Technology Crime Law and the Telecommunications Regulatory Law; A comparative Analytical Study.**

Authors: Tayel Mahmoud Al-Sheyyab, Mohammed Khalil Yusuf Abu Bakir  
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Authors: Hakim Hsoonee Amayali, Laith Abdullah Banay  
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Authors: Haider B. Hami, Hussein H. Atiyah  
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Authors: Anas Al-Yasiry M.Sc, Ahmad Hindy, Zainab Mahmood Al-Jammali M.Sc, Azad Almuthaffer M.Sc, Ahmed Ghanim  
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Authors: Dunya H. Al-Najjar, Zainab T. Al-Ogaili 2, Israa H. Al-Jerrah  
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Authors: Hussein Munati Sajit, Raed Mohsen Obaid, Mohamed Moussa Mohamed  
DOI: [10.37200/IJPR/V24I9/PR290182](https://doi.org/10.37200/IJPR/V24I9/PR290182)

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Authors: Mousa Kadhim Zqair al-Mamouri  
DOI: [10.37200/IJPR/V24I9/PR290183](https://doi.org/10.37200/IJPR/V24I9/PR290183)

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Authors: Balqees Sadoon Jasim, Maytham Salim AL-Nasrawi2 & Ali Neamah Hasan Al-Aaragi  
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Authors: Sura Abbas Obaid, Abd Ali Nayif Hassan Afrah Mohammed Muslim  
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Authors: Zaman Turki Hashim, Ahmed Kazem Abdel Karim, Ayman Hani Abd Al-Jubouri  
DOI: [10.37200/IJPR/V24I9/PR290186](https://doi.org/10.37200/IJPR/V24I9/PR290186)

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Authors: Sulaf Abdalqadir Hameed, Wassan Jauad Kadhim, sajjad khalfat Hussain

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**Feature extraction using Bat Algorithm for Brain Cancer**

Authors: Rajaa.J. Khanjar

DOI: [10.37200/IJPR/V24I9/PR290188](https://doi.org/10.37200/IJPR/V24I9/PR290188)

**Assessment of Nurses’ Knowledge About Aggression and Ways Used for Aggressive Patients at Psychiatric Wards**

Authors: Mohammed Abdulla, Saja Hashem Mohammed

DOI: [10.37200/IJPR/V24I9/PR290189](https://doi.org/10.37200/IJPR/V24I9/PR290189)

**Evaluation of Nurses knowledge about De-escalation Strategies to Dealing with an Aggressive Inpatient at Psychiatric Hospital**

Authors: Mohammed Abdulla, Saja Hashem Mohammed

DOI: [10.37200/IJPR/V24I9/PR290190](https://doi.org/10.37200/IJPR/V24I9/PR290190)

**The Impact of Teaching on The Skills of Visual Thinking, Psychological Effect and The Development of The Tendency of Pupils in The First Intermediate Students**

Authors: Ali Mustafa Al Sayyid Wahab, Tha'ir Sameer Al Shammary, Wisal Mu'aayyad Al Husainy

DOI: [10.37200/IJPR/V24I9/PR290191](https://doi.org/10.37200/IJPR/V24I9/PR290191)

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Authors: Muna Abdulwahab Khaleel

DOI: [10.37200/IJPR/V24I9/PR290192](https://doi.org/10.37200/IJPR/V24I9/PR290192)

**Psychosocial Impact of Adolescents with Juvenile Diabetes Long-Term At Al Nasiriya Diabetic and Endocrinology Center**

Authors: Adil Ali Hussein, Khetam Mutasher Hatab

DOI: [10.37200/IJPR/V24I9/PR290193](https://doi.org/10.37200/IJPR/V24I9/PR290193)

**Evaluation of Teachers’ Knowledge about the Early Detection for Hepatitis Type (A) at the Primary Schools in Al-Hilla City**

Authors: Ali F. Abdul Hussein

DOI: [10.37200/IJPR/V24I9/PR290194](https://doi.org/10.37200/IJPR/V24I9/PR290194)

**Common Risk Factors related Toxoplasmosis Infection during pregnancy**

Authors: Wafaa Ahmed Ameen, Saadya Hadi Humade

DOI: [10.37200/IJPR/V24I9/PR290195](https://doi.org/10.37200/IJPR/V24I9/PR290195)

**Psychological factors associated with medication noncompliance in schizophrenic patients who attending psychiatric teaching hospitals**

Authors: Fatin Ghani Ashoor, Saja Hashim Mohammed

DOI: [10.37200/IJPR/V24I9/PR290196](https://doi.org/10.37200/IJPR/V24I9/PR290196)

**The effect of complex exercises (physical skill) in developing response speed and blocking wall for beach volleyball players**

Authors: Hatem Falih Hafith, Firas Kassoub Rashid

DOI: [10.37200/IJPR/V24I9/PR290197](https://doi.org/10.37200/IJPR/V24I9/PR290197)

**Prevalence of Endoparasites among Liza abu Fishes in a Private Farm in Babylon Province Iraq**

Authors: Fadhil H.A. Al-Dulaimi, Ahmed. K. A . Al-Hamairy, Aussama A. M. Al-Ajeely

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**EXPLORING PERINATAL DEATH CHARACTERISTICS AT DR. SOETOMO GENERAL HOSPITAL, SURABAYA FROM 2014 TO 2015**

Authors: HERMANTO TRI JOEWONO, AGUS SULISTYONO, RATIH WARDANI, ADITIAWARMAN

DOI: [10.37200/IJPR/V24I9/PR290199](https://doi.org/10.37200/IJPR/V24I9/PR290199)

**BIRTH OUTCOMES OF MATERNAL MORBID OBESITY**

Authors: HERMANTO TRI JOEWONO, AGUS SULISTYONO, NI KETUT ANNY KARTININGSIH, ADITIAWARMAN

DOI: [10.37200/IJPR/V24I9/PR290200](https://doi.org/10.37200/IJPR/V24I9/PR290200)

**Changing spinal cord circuits excitability can lead to regain cord function below the level of the lesion**

Authors: Ali Abdul jabbar Hameed

DOI: [10.37200/IJPR/V24I9/PR290201](https://doi.org/10.37200/IJPR/V24I9/PR290201)

**Knowledge About Childhood Autism Among Pediatricians, Family Physicians And General Practitioners In Karbala**

Authors: Ali Abdul-Razaq Hujail, Sarah Sabah Hasan Al-Shami, Shaymaa Naser Mohammed

DOI: [10.37200/IJPR/V24I9/PR290202](https://doi.org/10.37200/IJPR/V24I9/PR290202)

**Speech Acts and their Constructive Roles in Trump's Argumentation**

Authors: Hani K. Al-Ebadi, Hayat Hasan Kadhim, Saad Abdullah Murdas

DOI: [10.37200/IJPR/V24I9/PR290203](https://doi.org/10.37200/IJPR/V24I9/PR290203)

**The effect of PQ4R strategy on the achievement of second-grade students average in reading and text material**

Authors: Asma Salam Kahlil Al-Jubouri

DOI: [10.37200/IJPR/V24I9/PR290204](https://doi.org/10.37200/IJPR/V24I9/PR290204)

**Potential Tourism of Cultural Heritage in Nusa Penida Bali Indonesia**

Authors: Nuruddin, Sri Pujiastuti, Yohanes Kristianto, I Made Trisna Semara, Putu Eka Wirawan

DOI: [10.37200/IJPR/V24I9/PR290205](https://doi.org/10.37200/IJPR/V24I9/PR290205)

**Role of succession planning and entrepreneurial thinking towards the performance of family-owned businesses**

Authors: Areeba Suleman, Armanurah Binti Muhammad, Nazlina Zakaria

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**A Comparative study between the spectra of prostate Cancer and healthy men using FTIR-ATR technique**

Authors: Hiba Ghmeedh Adhab, Shaymaa Awad Kadhim alshebly

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**Assessment of Knowledge, Attitude and Practices for Women's toward Family Planning in Primary Health Care Centers at Al-Amara city/ Iraq**

Authors: Ghazwan Abdul hussein Al Abedi, Aqeel Aziz Arar, Mustafa Salim Abdul Alridh

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**Developing functional adaptation in terms of physical competence of some tennis skills**

Authors: Muhanad Karim eabd alzahah, Imad Kadem Yasser

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**Knowledge and Practices of Nurses Concerning Nursing Management for Patients with Skin Traction at Orthopedic Wards in Al-Hussein Teaching Hospital in Al-Samawa City**

Authors: Amer J. Kadush, Hussein H. Attia

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**Prevalence of Cryptosporidiosis among Cancer Patients in Sulaimani Province/Iraq**

Authors: Kamaran Ameen Nasir, Abdullah Ahmed Hama, Salar Ibrahim Ali

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**Health Promoting Lifestyle profile Among Nursing Students in Mosul University**

Authors: Ahmed Ali Hussein, Nasir Muwfaq Younis, Mahmoud Mohammed Ahmed

DOI: [10.37200/IJPR/V24I9/PR290212](https://doi.org/10.37200/IJPR/V24I9/PR290212)

**Attitudes of mothers towards over the counter antibiotics for their children in Baghdad city**

Authors: Adraa H. Shawq, Zaid W. Ajil, Khatam M. Al-Musawi

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**Study of Physical Growth Conformation among Major Thalassemic Children at 5 - 15 Ages in Babylon Maternity and Children Hospital**

Authors: Nuhad Al doori, Khatam M. Al-Musawi, Abdul Mahdi A. Hassan

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**The Impact of Teaching the Creative writing and the effect of concepts strategy on the achievement by focus Strategy to Develop**

Authors: Mustafa Abbas Ali Sultan, Saeed Hussain Ali, Muhammad Hadi Shaneen

DOI: [10.37200/IJPR/V24I9/PR290215](https://doi.org/10.37200/IJPR/V24I9/PR290215)

**The Impact of Eizenkraft model in the Development of Multiple Intelligences among Preparatory School Students and developing creative mind through varied activities**

Authors: Haifa Amran Mousa Al – Khafaji, Saif Tariq Al-Issawi, Zeina Ghani Abdul Hussein

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**Association between high-risk human papillomavirus infection female infertility**

Authors: Sarab Khalaf Hammod, Farah Majid Mohammed, Maysaloon Fadhil Hassan

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**Presentation Feature of Lymphoma in the Kirkuk City**

Authors: Suhair Sheriff Abdulkarim, May Mohammad Sheriff, Mustafa Zuhair Jasim, Mohammad Ahmed Ali

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**Isolation and identification of Streptococcus mutans from periapical lesion of extracted teeth**

Authors: Ahmad Orkhan Hasan, Saad Mohammed Sulaiman, Noora Abdulrazzaq Naji

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**Developing the organizational culture according to the implications of knowledge management trust**

Authors: Abbas Akle Paddy, Imad Kadem Yasser

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**Physiochemical changes in physical activity in the immune system to prevent corona virus in football players**

Authors: Muzaffar Oraibi Baiji, Raheem Abd Alwihed, Hamad Lahmood Taherh, Imad Kadem Yasser

DOI: [10.37200/IJPR/V24I9/PR290221](https://doi.org/10.37200/IJPR/V24I9/PR290221)

**Social factors associated with medication noncompliance in schizophrenic patients who attending psychiatric teaching hospitals**

Authors: Fatin Ghani Ashoor, SajaHashim Mohammed

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**Prevalence of Post-Traumatic Stress Disorder among Adolescents in Mosul City after War**

Authors: Rayyan I. Khaleel, Nuhad M. Al-Doorii

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**Impact of community culture in use of medicines**

Authors: Fouad Hussein Kamel

DOI: [10.37200/IJPR/V24I9/PR290224](https://doi.org/10.37200/IJPR/V24I9/PR290224)

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Authors: Rashad Tariq Yousef, Saleh Chuaied Hilael, Hikmit Abdul Sittar Alwan

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Authors: Karim Mohammed Kazim Musa, Mahdi Salih Abbas, Fadel Radi Mohamed, Zainab Kazem Talib

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**Validation of Humanitarian Love Scale (HLS) through Exploratory and Confirmatory Factor Analysis**

Authors: Syaidatun Nazirah Abu Zahrin, A. Nazilah, Radin Anis Adlina Radin Hasbani, Nasruddin Yunos, Fatin Hazwani Siran, Khairul Hamimah Mohamad Jodi, Azwira Abdul Aziz

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**Common Risk Factors related Toxoplasmosis Infection during pregnancy**

Authors: Wafaa Ahmed Ameen, Saadya Hadi Humade

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**IMPACT OF INTERVENTIONS OF HUMAN RESOURCES ON EMPLOYEE COMPETENCY BASED PERFORMANCE IN PAKISTANI ORGANIZATIONS**

Authors: Ghulam Akbar Khaskheli, Muhammad Hassan Veesar, Qamar Abbas Mangi, Zulfiqar Ali Rajper

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**Sacred Calendar and Expression of Religion in Indonesia**

Authors: Rifki Rosyad, Dede Wahyudin, Mohamad Hamim, Adang Sonjaya, Aam Saepul Alam

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**COMPARATIVE ANALYSIS OF ABILITY AND THE WILLINGNESS TO PAY THE COMMUNITY WITH UNIT COST (Case Study of Inpatient Mental Hospital in Maluku Province)**

Authors: Muhamamd Al Fajrin, Darmawansyah, Muhammad Syafar, Muhammad Alwy Arifin, Amran Razak, Lalu Muhammad Saleh

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**Community Adaptation towards the Shrinking of Lake Chad Basin, Borno State North East Nigeria**

Authors: A. N. Dogo, M. H. Ibrahim, Chi Azimi, J. M. Abba, F. A. Ahmad, Mohamad Ihsan M. Ismail

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**PARENTAL KNOWLEDGE AND DEVELOPMENT OF LANGUAGES AND LITERACY, COMMUNICATION AND SOCIALIZATIONS IN THE EARLY CHILDHOOD EDUCATION**

Authors: Nik Salmi Nurulhuda Mohd Sainain, Romarzila Omar, Hazhari Ismail, Nordin Mamat, Ruslan Abdullah

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**Validation of The Academic Success Instrument Using Polytomous Item Response Theory**

Authors: Hishamuddin Ahmad, Siti Eshah Mokshein, Mohd Razimi Husin, Ismail Yusuf Panessai, Mohd Nazir Md Zabita, Nor Hasnida Che Md Ghazali

DOI: [10.37200/IJPR/V24I9/PR290234](https://doi.org/10.37200/IJPR/V24I9/PR290234)

**SOURCES OF POLITICAL INFORMATION AMONG YOUNG WOMEN IN PERAK**

Authors: Siti Noranizahhafizah Boyman, Jayum Jawan, Samsudin Suhaili, Junaidi Awang Besar

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**Aree Lkhua Song: A Musicological Analysis of Pakapel Tradition Among the Kelabit Tribe in the Upper Baram River, Sarawak.**

Authors: Mohd Hassan Abdullah, Nor Azman Mohd Ramli, Mohd Nizam Nasrifan, Mahayuddin Abdul Rahim, Mohd Azam Sulong

DOI: [10.37200/IJPR/V24I9/PR290236](https://doi.org/10.37200/IJPR/V24I9/PR290236)

**Awareness Level on Sustainable Development Practices Among Postgraduate Students in Upsi, Perak**

Authors: Mohd Hairy Ibrahim, Mohd Hashiq Hashim, Raman a/l Mariyappan, Mazlan Ismail, Balbir Singh Mahinder Singh, Muttamah Sathivelu & Krishnan

DOI: [10.37200/IJPR/V24I9/PR290237](https://doi.org/10.37200/IJPR/V24I9/PR290237)

**ADDIE Model Design Process For 21st Century Teaching and Facilitation Activities (Pdpc) In Nationhood Studies Module**

Authors: Siti Noranizahhafizah Boyman, Mohamad Basri Jamal, Nur Azah Razali & Muhammad Shamsinor Abdul Aziz

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**DETERMINATION OF ORTHODONTIC TREATMENT TIME ON MALE CHILD WITH MIXED DENTITION PHASE BASED ON PALATAL MEASUREMENT**

Authors: Dian Nur Puspita, An'nisaa Chusida, Bambang Soegeng H

DOI: [10.37200/IJPR/V24I9/PR290239](https://doi.org/10.37200/IJPR/V24I9/PR290239)

**Prototype Mobile Intra Oral Camera**

Authors: Almira Rachmawati, Endanus Harijanto, and R. Helal Soekartono

DOI: [10.37200/IJPR/V24I9/PR290240](https://doi.org/10.37200/IJPR/V24I9/PR290240)

**Dental and Oral Health Behaviour of Social and Political Sciences Student**

Authors: Aulia Deshinta, Mega Selvia, Levina Gita W, Ekky Nur F.M, Yasmin Safira V, Nadiyya Nurul N, Nur Azizah, Aryo Dwipo Kusumo

DOI: [10.37200/IJPR/V24I9/PR290241](https://doi.org/10.37200/IJPR/V24I9/PR290241)

**The Level of Knowledge About Health and Dental Care in Non-Dental Medicine Students**

Authors: Naufal Thufail Ramadhan, Annisa Fitria Sari, Moch. Reyhan Tri Prakoso, Dinda Nindy Oktaviani, Achmad Chasina Aula, Aryo Dwipo Kusumo

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**The Level of Quality of Life of Preclinic Students of Dental Medicine**

Authors: Nawwal Jaddiyya Farha, Ranti Sita Rahmawati, Galang Ramadhan, Rizky Briliant SM, Ingrid Theresia Panjaitan, Keyona Laila Olivia, Aulia Ramadhani

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**Awareness Of Oral Health In Students Of Medicine And Dental Medicine**

Authors: Rindu Damayanti, Aditya Anugrah, Patricia Widyanandana R, Jasmine Azahra M, Defita Ayu L

DOI: [10.37200/IJPR/V24I9/PR290244](https://doi.org/10.37200/IJPR/V24I9/PR290244)

**Knowledge, Attitude, And Practice of Pre-Clinic Dental Medicine Students on Oral Health Care**

Authors: Insyirah Dwi Vidyastami, Farahdiba Khadijah, Yuniar Rizqianti, Haidar Rosa Salsabila, Kaifa Izatul Fikriah, Aryo Dwipo Kususmo

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Authors: Mi-yun Yoon

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**DETERMINATION OF COMPETENCE, WORK CULTURE, AND ORGANIZATIONAL SUPPORT TO PERFORMANCE THROUGH WORK SATISFACTION**

Authors: Muhamad Ali, Chablullah Wibisono, Indrayani, Sri Yanti, Nolla Puspita Dewi

DOI: [10.37200/IJPR/V24I9/PR290247](https://doi.org/10.37200/IJPR/V24I9/PR290247)

**A DISCOURSE OF REPATRIATION OF INDONESIAN EX-ISIS CITIZENS “Law, Human Rights, and Socio-Politics Consideration”**

Authors: Irwansyah, Ahmad Sulaiman, Susilo Edy, Suryo Hapsoro, M. Mujib Ridwan

DOI: [10.37200/IJPR/V24I9/PR290247](https://doi.org/10.37200/IJPR/V24I9/PR290247)

**EMPLOYMENT ANALYSIS DISTRICT/CITY OF RIAU ISLANDS PROVINCE CITY**

**EMPLOYMENT ANALYSIS DISTRICT/CITY PROVINCE OF RIAU ISLANDS**

Authors: Jontro Simanjuntak, Putu Hari Kurniawan, Chablullah Wibisono

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**A Shift of CSR towards PD&C Plan of nCov Outbreak: A Review of Pakistan**

Authors: Saifullah Shaikh, Javed Ahmed Chandio, Muhammad Ashraf, Ghulam Ali Dogar, Qamar Abbas Mangi

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**Influence of Mass Media and Family Education to The Acceptance Rate of Nutridrink TOGA Prevent COVID-19 In East Java**

Authors: Ananda Perwira Bakti, Mauren Gita Miranti, Siti Sri Wulandari, Aghus Sifaq, Retno Mustika Dewi

DOI: [10.37200/IJPR/V24I9/PR290251](https://doi.org/10.37200/IJPR/V24I9/PR290251)

**THE ROLE OF HUMAN CAPITAL IN THE INNOVATIVE DEVELOPMENT OF THE ECONOMY**

Authors: Jasurbek Ataniyazov, Elshod Alimardonov

DOI: [10.37200/IJPR/V24I9/PR290252](https://doi.org/10.37200/IJPR/V24I9/PR290252)

**THE EFFECT OF FINANCIAL LITERACY KNOWLEDGE ON THE FINANCE MANAGEMENT OF FARMERS “SIWALAN” IN EAST JAVA**

Authors: Suci Rohayati, Budi Eko Soetjipto, Agung Haryono, Hari Wahyono, Siti Sri Wulandari

DOI: [10.37200/IJPR/V24I9/PR290253](https://doi.org/10.37200/IJPR/V24I9/PR290253)

**Marital Flourishing on The Husbands of Migrant Worker Who Maintain Their Marriage**

Authors: Femita Adelina, Nurul Hartini, Suryanto

DOI: [10.37200/IJPR/V24I9/PR290254](https://doi.org/10.37200/IJPR/V24I9/PR290254)

**Social Support and Quality of Life in Cancer Patients: A Study of Palliative Shelters in West Java**

Authors: Laili Rahayuwati, Tuti Pahria, Kusman Ibrahim, Ikeu Nurhidayah, Habsyah Saparidah Agustina

DOI: [10.37200/IJPR/V24I9/PR290255](https://doi.org/10.37200/IJPR/V24I9/PR290255)

**The Role of Hots-Oriented Creative Inquiry Model for Improving Self-Efficacy and Physics Problem-Solving Ability In Gender Perspectives**

Authors: I Wayan Distrik, Undang Rosidin, Abdurrahman Abdurraman

DOI: [10.37200/IJPR/V24I9/PR290256](https://doi.org/10.37200/IJPR/V24I9/PR290256)

**DISCOURSE` OF SINGLE PRESIDENTIAL CANDIDATE**

Authors: Hidayat, Djamal Kertabudi, Maman Suherman AR

DOI: [10.37200/IJPR/V24I9/PR290257](https://doi.org/10.37200/IJPR/V24I9/PR290257)

**MENTAL FEATURES OF PROVERBS**

Authors: Jurayeva Bibish Muhsinovna, Tosheva Dildora Abdumalikovna, Nurova Yulduz

Ubayduliaevna

DOI: [10.37200/IJPR/V24I9/PR290258](https://doi.org/10.37200/IJPR/V24I9/PR290258)

**LEGAL BASIS OF THE MECHANISM OF ACTIVITY OF THE UZBEK STOCK EXCHANGE**

Authors: Mexmonov Sultonali Umaraliyevich, Jamaldinova Asalxon Saliyevna, G'aybullayeva Zilola Raxmatullo qizi, Habibulloh Ravshan og'li

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**MODERN TRENDS IN THE DEVELOPMENT OF TOURIST AND RECREATIONAL SERVICES IN UZBEKISTAN**

Authors: Usmanova Zumrad, Munisa Alimova

DOI: [10.37200/IJPR/V24I9/PR290260](https://doi.org/10.37200/IJPR/V24I9/PR290260)

**ENHANCING ECONOMIC COMPETITIVENESS THROUGH THE DEVELOPMENT OF INDUSTRY IN THE REGIONS**

Authors: Sherzod Juraev, Farmonqul Egamberdiev, Nozim Muminov, Lola Egamberdieva

DOI: [10.37200/IJPR/V24I9/PR290261](https://doi.org/10.37200/IJPR/V24I9/PR290261)

**PRIORITY DIRECTIONS OF THE STATE REGIONAL POLICY: DEVELOPMENT OF THE AGRICULTURAL SECTOR IN ORDER TO REDUCE POVERTY**

Authors: Farmonqul Egamberdiev, Nozim Muminov, Tatyana Kim, Bekmurod Elmonov

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**INNOVATIVE WAYS FOR INCREASING EFFICIENCY OF MELIORATIVE MEASURES IN AGRICULTURE**

Authors: Bakhodir Sultanov, Nozim Muminov, Farmonqul Egamberdiev, Lola Egamberdieva

DOI: [10.37200/IJPR/V24I9/PR290263](https://doi.org/10.37200/IJPR/V24I9/PR290263)

**Improving the physical qualities of students in physical education lessons using fitness classes**

Authors: Svitlana Pilova, Iryna Panasiuk, Sergii Galuza, Valery Gruzhevsky, Vlada Bilohur

DOI: [10.37200/IJPR/V24I9/PR290264](https://doi.org/10.37200/IJPR/V24I9/PR290264)

**Notes as A Picture of The Epistology Gene**

Authors: Yuldasheva Dilnoza Bekmurodovna

DOI: [10.37200/IJPR/V24I9/PR290265](https://doi.org/10.37200/IJPR/V24I9/PR290265)

**Problems of Reforms of Education in Turkestan**

Authors: Ziyaeva Dono Khamidovna

DOI: [10.37200/IJPR/V24I9/PR290266](https://doi.org/10.37200/IJPR/V24I9/PR290266)

**Historical Demographic Review of Industrial Cities of Tashkent Region**

Authors: Peremkulov Jamshid Allayerovich

DOI: [10.37200/IJPR/V24I9/PR290267](https://doi.org/10.37200/IJPR/V24I9/PR290267)

**Develop A Set of Health-Improving Exercises for Middle-Aged 45-60-Year-Old Men, Considering Physical Fitness**

Authors: Karimov Faxriddin Xurramovich, Shermatov Gulom Qaxhorovich, Mukhametov Ahmad

Mukhametovich, Kholmuratov Ravshan Napasovich, Tashpulatov Farxad Alisherovich

DOI: [10.37200/IJPR/V24I9/PR290268](https://doi.org/10.37200/IJPR/V24I9/PR290268)

**The Impact of Modern Innovative Educational Technologies for The Environmental Education of Students with Hearing Impairments**

Authors: Gavhar Abdullaeva, Erkin Aydarov

DOI: [10.37200/IJPR/V24I9/PR290269](https://doi.org/10.37200/IJPR/V24I9/PR290269)

**The Importance of Shrines in The Spiritual Life and Mentality of Uzbek People**

Authors: Jumagul Namozovna Abdurakhmanova, Shoira Berdiyarovna Jumaeva, Ulugbek

Kuchkarovich Ismailov

DOI: [10.37200/IJPR/V24I9/PR290270](https://doi.org/10.37200/IJPR/V24I9/PR290270)

**Vestibular Schwannoma: Presenting Symptoms in A Series Of 106 Patients**

Authors: Jamol Ergashev, Sofia Santos, Andrés Soto, Shavkat Amonov

DOI: [10.37200/IJPR/V24I9/PR290271](https://doi.org/10.37200/IJPR/V24I9/PR290271)

**People's Labor Traditions in The Process of Labor Preparation for Schoolchildren**

Authors: M.E. Khaydarov, D.B.Lukhmanov

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**Altruism - as a National Value for Uzbek People**

Authors: Zamira Taskarevna Nishanova, Nargis Batirovna Atabaeva, Dilaram Abdikarimovna Khalmuratova, Miywagul Madiyarovna Djolimbetova

DOI: [10.37200/IJPR/V24I9/PR290273](https://doi.org/10.37200/IJPR/V24I9/PR290273)

**Permanent Tracheostomy Care and social Stigma in Nigeria**

Authors: Abiodun Oyinpreye Jasper, Nekwu Okolugbo

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**Corporate Governance Indicators and Firm Value: Evidence of Sharia Compliant Firms from Pakistan**

Authors: Rashid Khalil, Mohd. Sollehudin Bin Shuib, Arfan Shahzad

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**Detecting Fraudulent Financial Reporting in Manufacture Sector**

Authors: Bambang Leo Handoko, Tesare Novan Juandy

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**The Effect Of Self - Leadership, Organizational Culture, And Work Motivation On Job Satisfaction At Regional General Hospital**

Authors: Tubagus Achmad Darodjat, Rosma Kadir, Salam, Mira Mirnawati, Abdul Rahmat

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**The Relationship Between The Management Of Emotional Intelligence And The Implementation Of Leadership Education And Training For Senior High School Principals**

Authors: Novianty Djafri, Abdul Rahmat

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**THE EFFECTS OF BOARD DIVERSITY ON CORPORATE SOCIAL RESPONSIBILITY DISCLOSURE: CASE STUDY OF MAIN SECTOR COMPANY LISTED IN IDX PERIOD OF 2015 – 2018**

Authors: ASL Lindawati, Jennifer Hin

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Authors: Acep Komara, Yhonanda Harsono, Welly Wihayati, Ngesti Rahayu

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Authors: Ali Dahwir, Ardiana Hidayah, Nina Yolanda, Zulkifli S Mukti

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**The Influence Of Person Organization Fit (Po Fit), Career Plateau, Leader-Member Exchange (LMX) And Organizational Commitment As Mediation Variable On Employees 'Performance In Aparature Resources And Development Agency Of Bangkalan District, East Java**

Authors: Dewa Ketut Raka Ardiana, Sumiati, R Firman Hadi Santoso, Achmad Daengs GS, Agustin Sukarsono

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**Implementation of Information Technology (IT) in Education Marketing**

Authors: M. Yusuf, Asmoni, Jamilah, Yuliati, Taufik Rahman, Linda Dwiyanti, Muhammad Nur Hakim, Rini Ratna Nafita Sari, Nurul Azizah Ria Kusrini, Tuwis Hariyani

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Authors: Rangga Sa'adillah S.A.P, Tobroni, Ishomuddin, Khozin

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Authors: Yeni Rosilawati, Dinar Ayu Amalia, Atik Septi Winarsih

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Authors: Suciati, Ayu Amalia

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Authors: Y. Nurumbekova

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Authors: Shoyimova Shoxista Sanakulovna, Mirzaeva Nargiza AsrarovnaMirzaeva, Shaxlo Ruzmat Kizi

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Authors: Astanova Gulnora Aminovna

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**Improve the public key schemes by using keys based on different polynomials**

Authors: Ameer A. J. AL-Swidi, Lamis Hamood Al-Saadi, Enas Hamood Al-Saadi

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Authors: Wail Minwer Al-Rabadi

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Authors: Amal Ghaleb Rashid, Bushra Jawad M.Ridha, Dirgham Mohsin Jabbar

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Authors: Bushra Jawad M.Ridha, Abeer M. Mahdi AL-shammari

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Authors: Nihad Mahmoud Nasir

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Authors: Wissam Aziz Obaid, Zaid Alwan Abbas

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**The Effect of Temperature in Enhancing Antagonism Ability for Penicillium Carneum Against Some Damping Off Pathogens**

Authors: Fadhil Sami Zghair

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**Studying technology-based XXI Century Learning using MOOC in Education**

Authors: Unung Verawardina, Dochí Ramadhani, Wilda Susanti, Arina Luthfini Lubis, Arden Simeru, Ambiyar

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Authors: Suharno Suharno, Milwan Milwan

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Authors: Halili

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Authors: Tommy Andrian

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Authors: Eriana Astuty, Diana Harding

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**THE RELATIONSHIP BETWEEN EXCLUSIVE BREASTFEEDING PRACTICE AND THE PHENOMENON OF WASTING (MALNUTRITION) AND STUNTING IN LERAN VILLAGE, BOJONEGORO, INDONESIA**

Authors: Sofi Maziatus Naini, Aini Fadilah, Berliana Farah Y, Shintia Yunita Arini

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Authors: Bambang Leo Handoko, Ang Swat Lin Lindawati, Mazlina Mustapha

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Authors: Roihatul Zahroh, Siti Nur Qomariah, Sri Utami Ningsih, Abu Bakar

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Authors: K. Noorliza

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Authors: Royke Tony Kalalo, Yunias Setiawati

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**Literary, journalistic activity of Northern Azerbaijan writers in Southern Azerbaijan and the embodiment of a divided motherland idea in their creation**

Authors: Arzu Huseyin Huseyinova

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Authors: Ge Chen , Huan Zhang Zeng

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**Al Sawad abscess in the first Abbasid era (132 AH / 750 CE - 247 AH / 861 CE)**

Authors: Dr. Mohammad Abdel Hadi Al Jazi1, Abd-Al Razzak Mahmoud Al-Maani

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Authors: Ali Hindi Hamoudi

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**World Health Organization declared a pandemic public health menace: a systematic review of the coronavirus disease 2019 “COVID-19”**

Authors: Nadia Mahmoud Tawfiq Jebril

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Authors: Dr. Asmahan Altaher, Nooraldeen A. AlShaikhly

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Authors: Muhammad Farkhan, Nafan Tarihoran, Moh. Supardi

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Authors: Suyatno Ladiqi, Nurul Izzati Musa, Abdul Majid Hafiz Bin Mohamed, Abdullahi Ayoade Ahmad, Ismail Suardi Wekke

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Authors: Gizem Öneri Uzun

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Authors: Ridwan, Rahmat Yuliawan, M. Nilzam Aly

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Authors: Andala Rama Putra Barusman, Felicia Suwandi

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Authors: Muhammad Faisal, Ancella A Hermawan

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Authors: Paula Andrea Valencia Londoño, Karla Salazar Serna, Phoenix Paz

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Authors: Ivanna Shubina

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Authors: Annisa Prabaningrum, Rizki Fitryasari, Andri Setiya Wahyudi

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Authors: Bambang Leo Handoko, Kitty Angeline, Jessica Patricia, Maria Angelina Hidayat

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Authors: Asyfiradayati Rezania, Presidiana Wardhani Dyimes, Linna Suswardany Dwi

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**Financial Technology Application Success in the 4.0 Era**

Authors: I Gede Ega Riantama, I Nengah Suardhika, Anik Yuesti

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Authors: Zulfani Sesmiarni

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**The Effect of Social Media Marketing on Intention to Visit of Muslim Tourists in Halal Tourist Destinations in Indonesia**

Authors: Baharuddin Husin, Veithzal Rivai Zainal, Iwan Kurniawan Subagja, Rudihartono Ismail4, Kristopo

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Authors: Nguyen Hoang Phuong, Nguyen Minh Tuan

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Authors: Sance A. Lamusu

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Authors: Humeyir Ahmadov, Bahar Ismayilova, Rovshan Humbataliyev

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Authors: Aygul Hajiyeva

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Authors: Gulshen Shahmurad qızı Agabey

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Authors: Flora Kamran Namazova

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Authors: Devi Rusli, Ike Anggraika Kuntoro, Eko Handayani, Nurmina, Ali Arben

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Authors: Ali Arben, Yuliamirwati, Kurniawarman, Azmi Fendri, Devi Rusli

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Authors: Mohannad Talib Abed, Saqr Ghena Irhayyim, Thamer Hammad Rija,

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**Various Games For Improving The Focus Attention And Its Effect On The Accurate Performance Of Some Volleyball Skills**

Authors: Saif Alaa Naji, Hayder Abdulrazzaq Noori

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Authors: Muhammad Khalid Nazim

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**ISIS terrorist organization and its Impact on the National Security of the Arab Maghreb Countries )Algeria is an Example(**

Authors: Arshed Muzahem Mejbel AL-Ghrairi, Raji Yousif Mahmood

DOI: [10.37200/IJPR/V24I9/PR290338](https://doi.org/10.37200/IJPR/V24I9/PR290338)

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Authors: Mohanad Taleb Abd, Ammar Fleah Rumeeh

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Authors: Mohannad Taleb Abd

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**The Impact Of a Training Curriculum Using Spaces To Develop Football Offensive Plans**

Authors: Dhiaa Hamood Mawlood, Zahid Sbhee Abdulrazak, Ahmed Selman Saleh

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**Transfer The Effect Of Muscle Training (Fixed-Moving) From The Healthy Part To Rehabilitate The Femoral Muscle**

Authors: Sameerah Abdulrassol Alattabi, Suhad Haseeb Abdul Hameed

DOI: [10.37200/IJPR/V24I9/PR290342](https://doi.org/10.37200/IJPR/V24I9/PR290342)

**The Effect of Aerobic Exercises in Accordance with Genetic Diversity on some Biochemical Variables and the Digital Level in Swimming for Students of the Faculty of Physical Education and Sports Sciences**

Authors: Fatimah Hameed Kzar, Yasar Sabeeh Ali

DOI: [10.37200/IJPR/V24I9/PR290343](https://doi.org/10.37200/IJPR/V24I9/PR290343)

**Using Social Media To Promote Democratic Transformation**

Authors: Saja Falih Hussein

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**The Effect of Aerobic Exercises in Accordance with Genetic Diversity on some Biochemical Variables and the Digital Level to Prevent the Sport Injury in Swimming for Students**

Authors: Fatimah Hameed Kzar, Yasar Sabeeh Ali, Wafaa Sabah

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**Impact Of Business Model Disclosure On The Value Relevance Of Accounting Information For Investors: Empirical Analysis 3**

Authors: Hussein Zuhair Abdul-Amir Zainy

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**The Diagnosis and Profile of Learning Difficulties in Mathematics of Gifted Students in a Boarding School**

Authors: Tubagus PAMUNGKAS, Asri BUDININGSIH, Djamilah Bondan WIDJAJANTI

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**EMPLOYEE ENGAGEMENT- "TRENDS AND DYNAMICS OVER PAST TWO DECADES – CHRONOLOGICAL LITERATURE REVIEW"**

Authors: Mita Nishant Mehta, Vaishnavi Devi, Tanu Hajela, Arti Chandani

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**The Moderating Effect of Performance Management on Operational Control, Technical Control and Telecommunications Systems Performance in the Public Safety Sector of Oman**

Authors: Massoud Al-Khanbashi, Osaro Aigbogun

DOI: [10.37200/IJPR/V24I9/PR290349](https://doi.org/10.37200/IJPR/V24I9/PR290349)

**Effectiveness of an educational program on nurse's knowledge concerning danger of mixing Medications in Al- Hussein Teaching Hospital in Al-Muthana Governorate**

Authors: Ahmed Harbi Mahmood, Huda Baqar Hassan

DOI: [10.37200/IJPR/V24I9/PR290350](https://doi.org/10.37200/IJPR/V24I9/PR290350)

**Association between Internet Addiction and Sleep disturbance Among Nursing Students**

Authors: Mahmoud Mohammed Ahmed, Nasir Muwfaq Younis, Ahmed Ali Hussein

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**Study the Effect of Cognitive Learning Strategies in the Achievement of the Students of Fifth Year Scientific Branch in Arabic Grammar**

Authors: Mousa Kadhim Zqair al-Maamouri

DOI: [10.37200/IJPR/V24I9/PR290352](https://doi.org/10.37200/IJPR/V24I9/PR290352)

**Difficulties Faced by the Students of College of Arts in the Middle Euphrates Region in studying pre-Islamic Literature in Teachers' Point of View**

Authors: Musa Kadhim Zqair Al-Mamouri

DOI: [10.37200/IJPR/V24I9/PR290353](https://doi.org/10.37200/IJPR/V24I9/PR290353)

**Effectiveness of an Educational Program on Nurse's Knowledge & Practices Toward Uses of Defibrillation Cardioversion Shock at Critical Care Unit in Imam Al-Hussein Teaching Hospital**

Authors: Safaa Jalil Dahi, Sabah A. Ahmed

DOI: [10.37200/IJPR/V24I9/PR290354](https://doi.org/10.37200/IJPR/V24I9/PR290354)

**"Effectiveness of an Instructional Program on Patients Knowledge and Practices toward Insulin Injection Technique Used by Patients with diabetes at Specialized Centers for Endocrinology and Diabetes in Baghdad City"**

Authors: Mahmood Radhi Dawood Al-Kinani, Sabah A. Ahmed

DOI: [10.37200/IJPR/V24I9/PR290355](https://doi.org/10.37200/IJPR/V24I9/PR290355)

**The impact of visual vision training on learning the throwing skill in the badminton and some visual variables among the youth of AL-Kut sports Club**

Authors: Haider Abdul Kadhim, Israa Fadel Hassan, Hussein Fayek Aziz

DOI: [10.37200/IJPR/V24I9/PR290357](https://doi.org/10.37200/IJPR/V24I9/PR290357)

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Authors: Noora A. Hazaa, Kalida Alwan Mansour

DOI: [10.37200/IJPR/V24I9/PR290358](https://doi.org/10.37200/IJPR/V24I9/PR290358)

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Authors: Rizky Bintang Setiawan, Mustafa

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Authors: Bambang Leo Handoko, Nathania Astria Prasongko

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# WORD FORMATION IN GORONTALO LANGUAGE

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## *Abstract*

*This paper describes the process of affixation in the word formation of Gorontalo language. The affixation in the word formation of Gorontalo language consists of 34 prefixes, 3 infixes, and 2 suffixes. The word formation in Gorontalo Language through the process of affixation can be classified in the formation based on the derivational paradigm of verbs, nouns, and adjectives. In Gorontalo language there are four types of derivation, namely: (a) verbs derived from nouns, or denominal verbs; (B) adjectives derived from verbs, or deadjectival verbs (c) verbs derived from verbs, or deverbal verbs; and (d) nouns derived from verbs or deverbal nouns. The process of affixation in the word formation in Gorontalo language indicate differences in the word forms due to the addition of a bound form to the root which can change its form and meaning. For example: the prefix /mo-/ changes/replaces /loses the phoneme /t/ into /l/; /b/ into /m/; /p/ into /m/ and /il/ into /m/; adds the phoneme /ti/ and /hin/. If observed carefully, the prefix /mo-/ has allomorphs: /mot-/, /mom-/, /mol-/, and /moh-/; and the prefix /o-/ changes the sound [o] at the end of word into [a] or [wa] and the sound [u] into [e]; and in the formation of adjectives the prefix /o-/ ends with the sound /*

**Keywords:** formation, affixation, Gorontalolanguage.

## INTRODUCTION

Indonesia has a huge number of regional languages because every ethnic group has its own language that is still preserved. A regional language is a means of communication within family and society. In addition, it is used as a means of expression in the field of culture and arts. Although different in tradition and intensity, there are some regional languages which have long been familiar with written tradition, such as Javanese, Sundanese, Minangkabau, and also Buginese and some other regional languages will be familiar with written tradition, such as Gorontalolanguage.

In Indonesia, some of regional languages are still used as languages of instruction in primary education because Indonesian language is not yet understood by students, such as schools in remote areas. Moreover, they are given as local content subjects in schools in urban areas. This indicates that regional languages play a decisive role as a means of communication and a means of artistic and cultural expression among their users. Regional languages are basically determined by the precision and clarity of rules that govern the use of the regional language, as well as the completeness of vocabulary and terminology. In regard to the grammar (structure) of Gorontalo language, a research was conducted by Pateda (2009), but further research is still considered necessary to conduct in order to complete or to perfect it. Therefore, further explanation about the grammar of Gorontalo language is deemed important.

This research discusses the grammar of Gorontalo language, particularly its word formation in relation to affixation. It employed field linguistic method as proposed by Samarin (1998). Field linguistic theory is a method to obtain data and examines linguistic phenomena. This method includes two participants: speakers of a language, and researcher of the language. The most appropriate and direct research is through personal relationship. The speakers of a language are language informants through utterances.

Therefore, data of this research were obtained through the utterances of native speakers of Gorontalo language. According to Hockett (in Samarin, 1998: 15), such language study approach is called informant method and also known as contact method. The theory of structural linguistics was used as a basis for analysis in this research.

## WORD FORMATION PROCESS

Word formation process is also known as a morphological process that is the formation of words by connecting one morpheme to another. Word is a minimal free form. Free form is a form that can be pronounced separately, uttered, preceded and followed by potential pause. In addition, the free form will have a basic intonation pattern /2] 3 1). For instance, the forms /apa/, /mana/, /sukar/ have the intonation contours of / 3 1 /; the forms /keras/, /beras/, /deras/, /kera/, /dera/ have the intonation contours of /231/, and so forth. Therefore, word formation process or morphological process is the process of combining morphemes into words. Morpheme is the smallest form and the word is the biggest form (Samsuri, 1981: 190).

According to Samsuri (1981: 191-193), the process of words formation or the morphological process can occur through affixation, reduplication, internal change, suppletion, and empty modification. Affixation is combining root or base with affixes. Affixes consist of prefixes, infixes, and suffixes. Robins (1992: 245) argues that affixes are a general term used to refer to formative morphemes which appear repeatedly in the word and are not the roots. Reduplication is a morphological process through repetition. Reduplication consists of: full reduplication, reduplication with modifications, and partial reduplication. Internal change is a morphological process that changes the form of morphemes because the changes occur within the morphemes. Suppletion is a morphological process that results in a new form. Empty Modification is morphological process that does not lead to a change in form, but the changes the concept. Moreover, in the word formation, there is morphologic construction which a word formed from a single morpheme and a combination between one morpheme and another morpheme. Such single morpheme is called simple construction. Word form which is a combination between one morpheme and another morpheme is called a complex construction.

Simple construction consists of words that are single morphemes or root words and is a construction consisting of single morphemes but generally small in terms of form, morphologically can stand by itself, but phonologically usually precedes or follows other morphemes, or clitic. If the morphemes, precede other words called proclitic, and if they follow other words called enclitic. Complex construction is a result of the combination between two morphemes or more. The word formation in Indonesian language can be a combination between morpheme and affix, such as *ber + juang*, *ter+tawa*, or the formation which combines root and affix, such as *gula + i*, *ke + hujan + an*; or the formation which combines root and root, such as *gelak + tawa*, or the formation which combines base and root, such as *daya +juang*, or the formation which combines root and root, such as *meja + makan*. As a result of such layers of construction, there are differences in inflection and derivation. Inflection is a morphemic change by maintaining lexical identity of the word and derivation is a morphemic change that produces a word with other morphemic identity. For example, in English *friend* and *friends* are the same lexeme, and *friend* and *befriend* are different lexemes. The verb *to befriend* is the result of derivation from noun *friend*, and not the result of inflection, because the two words do not belong to the same word class, namely verb and noun. If two words with the same base belong to the same word class but have different meanings and the two words are also different lexically, then such process is called inflection. For example, in English; *friend* and *friendship* or in Indonesian *pengajarand pengajaran* belong to the same class and base (Verhaar, 1980: 170).

In addition, there are compounding. Compound is a construction composed of two morphemes or two words or more. The construction of compound can be in the form of root + root, or root + stem (stem + root) which are meaningful. For example, in Indonesian there are construction like: 1) [sabun mandi,

*rumah sakit, kaki tangan*; 2) [*orang mandi, anak sakit, kaki meja*]. The construction in (1) can be inserted with another morpheme, so that they are called compounds and the construction in (2) can be inserted another morpheme, so that they are called phrases. The construction of compounds and phrases can be distinguished into endocentric and exocentric. A structure is called endocentric if the distribution of the construction is the same as the second, third, or one of its elements. A structure is called exocentric if the distribution of the construction is different from one of its elements. For example, the structure of *anak malas* and *si kaya*. The structure of *anak malas* is called endocentric and the structure of *si kaya* is called exocentric. Word formation in Indonesian language according A.Teeuw (in Alieva et al. 1991: 114) is through word classification which is made in two levels. The first is classified based on the root word, and the second is classified based on analogy with derivatives as the first-level. There are two types of grammatical features of the root word: (1) word linkability ("root word") which is outwardly similar to grammatical affixes, i.e. overall forms derived from the root word and not differentiated their derivation and inflection; (2) word linkability with other words in a sentence by considering the types of relationships, or valency.

## WORD FORMATION IN GORONTALO LANGUAGE

Words in Gorontalo language as well as words in other languages can be formed through morphological process. The morphological process is words in Gorontalo language which experience affixation, reduplication, internal change, suppletion, and empty modification. However, this article only focuses the affixation in Gorontalo language.

This research indicates that the process of affixation in Gorontalo language is found in word formation which consists of prefix, infix, and suffix. There are 34 prefixes; 4 infixes: /-il-/, /-li-/, /-mi-/, and /-um-/, and /-um- /; and 2 suffixes: /-wa / and /-lo /. Prefixes include: /mo-/; /lo-/; /po-/; /mohi-/; /lohi-/; /pohi-/; /mopo-/; /lopo-/; /popo-/; /mo'o-/; /lo'o-/; /po'o-/; /motil-/; /motiti-/; /loti-/; /lotiti-/; /poti-/; /potiti-/; /me'i-/; /le'i-/; /pe'i-/; /pile'i-/; /mopohu-/; /lopohu-/; /me-/; /le-/; /mongo-/; /motolo-/; /lotolo-/; /ngo-/; /o-/; /tapa-/; /tonggo-/; and /hingga-/ Pateda, and Pulubuhu (1997; 2009) mention that there are only 23 prefixes; 1 infix; and 2 suffixes.

### (1) Prefix/*mo-*

Prefix /mo-/ can be attached to basic morphemes, i.e. verbs, nouns, and adjectives that can give meaning like *to do something; to create something; to produce something; to give or install something; to run business; and to seek or obtain something*. In addition, it can form verbs and adjectives, change from nouns and adjectives into verbs. When attached to a word, the prefix /mo-/ can change it into a verb and an adjective. This research did not find prefix /mo-/ which can form nouns. The formation of words with the prefix /mo-/ changes, adds, and replaces phonemes as shown in the following examples.

- (1) /mo- + [pito'o]/ [adjective] 'blind' → /motipito'o/ [verb] 'to close one's eyes'
- (2) /mo- + [tuango]/ [noun] 'content' → /moluango/ [verb] 'to fill'
- (3) /mo- + [buntungo]/ [noun] 'fist' → /momuntungo/ [verb] 'to punch'
- (4) /mo- + [pitilo]/ [noun] 'massage' → /momitilo/ [verb] 'to massage'
- (5) /mo- + [pangimba]/ [nomina] 'rice field' → /momangimba/ [verb] 'to farm'
- (6) /mo- + [ileengi]/ [noun] 'garden' → /momeengi/ [verb] 'to garden'
- (7) /mo- + [taluhu]/ [noun] 'water' → /mohintaluhu/ [adjective] 'watery'

The change/replacement/ lose of phoneme /t/ into /l/; /b/ to /m/; /p/ into /m/ and /il/ into /m/ occur in the word numbers [2], [3], [4], [5], [6]. The addition of phoneme / i/ occurs in the word number [1] and /hin/ in the word number [7]. If observed carefully, the prefix /mo-/ has allomorph: /mom-/, /mol-/, and /moh-/{[1],[2], [3], and [7]}. In the process of word formation with prefixes, derivation occurs according to the word classes that produced denominal verbs ([2] - [7]) and deadjectival verbs ([1]).

## (2) Prefix /lo-/

Prefix /lo-/ can also be attached to the basic morphemes of nouns, verbs, and adjectives. Prefix /lo-/ denotes something that has happened or the past tense that indicates activity which been completed. Like prefix /mo-/, prefix /lo-/ is not able to form nouns, but can form adjectives and verbs. Symptoms that occur in the prefix /lo-/ are similar to the prefix /mo-/. Example:

- (1) /lo- + [minggulo]/ [noun] ‘big eyes’ → /lomminggulo/ [verb] ‘to open wide (one’s eyes)’
- (2) /lo- + [tontongo]/ [noun] ‘stare’ → /lolontongo/ [verb] ‘stared’
- (3) /lo- + [bilohu]/ [noun] ‘vision’ → /lomilohu/ [verb] ‘saw’
- (4) lo- + [untapo]/ [noun] ‘thing to prop one’s lips up (tobacco)’ → /lohuntapo/ [verb] ‘propped one’s lips up (with tobacco)
- (5) lo- + [peengito]/ [noun] ‘eating with hand’ → /lomeengito/ [verb] ‘fed with hand’
- (6) /lo- + [buntungo]/ [noun] ‘fist’ → /lomuntungo/ [verb] ‘punched’
- (7) /lo- + [tepa]/ [noun] ‘kick’ → /leopa/ [verb] ‘kicked’
- (8) /lo- + [pangimba]/ [noun] ‘rice field’ → /lomangimba/ [verb] ‘farmed’
- (9) /lo- + [ileengi]/ [noun] ‘garden’ → /lomeengi/ [verb] ‘gardened’
- (10) /lo- + [wopa]/ [noun] ‘low’ → /loopa/ [adjective] ‘was low’
- (11) /lo- + [damango]/ [noun] ‘big’ → /lo’idamango/ [adjective] ‘was big’
- (12) /lo- + [taluhu]/ [noun] ‘water’ → /lohintaluhu/ [adjective] ‘was watery’
- (13) /lo- + [dembingo]/ [noun] ‘glue’ → /lodudembinga/ [adjective] ‘glued’

The changes/replacement/lose of phoneme /t/ into /l/; /b/ into /m/; /p/ into /m/ and /i/ into /m/ occur in the words numbers: [2], [3], [4], [5], [7], [8], [9], [10], [11], [12], [13] and [14]. The addition of phonemes /m/, /o/, /i/, /hin/, /to/, and /du/ occur in the word numbers: [1], [15], [16] and [17]. In addition, the prefix /lo-/ is not able to form nouns. The allomorph of prefix /lo-/ is /lol-/ and /lom-/, /loo-/, /lo’i-/, /lohin-/, /loto-/, and /lodu-/: {[1], [2] and [13]}. The derivation process occurring in the prefix /lo-/ is similar to the prefix /mo-/-.

## (3) Prefix /po-/

Prefix /po-/ has grammatical functions related to humans: (1) to form imperative words; (2) to form words indicating instrument or tool. For example:

- (1) /po- + [minggulo]/ [noun] ‘big eyes’ → /pomminggulo/ [verb] ‘to open wide (one’s eyes)’
- (2) /po- + [pangimba]/ [noun] ‘rice field’ → /pomangimba/ [verb] ‘to farm’
- (3) /po- + [ileengi]/ [noun] ‘garden’ → /pomeengi/ [verb] ‘to garden’
- (4) /po- + [tontongo]/ [noun] ‘stare’ → /polontongo/ [noun] ‘a tool to stare’
- (5) /po- + [bilohu]/ [noun] ‘vision’ → /pomilohu/ [noun] ‘a tool to see’
- (6) /po- + [tilo’o]/ [noun] ‘glance’ → /polilo’o/ [noun] ‘a tool to look at’
- (7) /po- + [diilo]/ [noun] ‘kiss’ → /po’odiila/ [noun] ‘a tool to kiss’
- (8) /po- + [rijiki]/ [noun] ‘food’ → /porijiki/ [noun] ‘food’
- (9) /po- + [untapo]/ [noun] ‘thing to prop one’s lips up (tobacco)’ → /pohuntapo/ [noun] ‘tobacco’
- (10) /po- + [taluhu]/ [noun] ‘water’ → /pohintahulu/ [noun] ‘washing tool’
- (11) /po- + [buntungo]/ [noun] ‘fist’ → /pomuntungo/ [noun] ‘a tool to box’
- (12) /po- + [pitilo]/ [noun] ‘massage’ → /pomitilo/ [noun] ‘a tool to massage’
- (13) /po- + [tepa]/ [noun] ‘kick’ → /polepa/ [noun] ‘foot’

Change / replacement / lose of phoneme /t/ into //; /b/ into /m/; and /p/ into /m/, and /il/ into /m/ occur in the words numbers: [1], [2], [3], [4], [5], [6], [7], [8], [9], [10], [11], [12], [13]. The addition of phoneme /m/, /o-a/and /hin/ can distinguish meaning and change word classes in particular words. In addition, the prefix /po-/ is not able to form adjectives. The allomorph of prefix /po-/ includes /pol-/, /pom-/, /po'o-a/, and /pohin-/.

#### (4) Prefixes/mohi-/, /lohi-/, /pohi-/

Prefixes /mohi-/, /lohi-/, /pohi-/ can be attached to the basic morpheme of nouns related to self-equipment of human beings. The three prefixes do not have allomorph or variations of prefix. The prefixes/mohi-/, /lohi-/, /pohi-/denote the future tense. The prefix /mohi-/ can form verbs, but cannot form nouns and adjectives. The prefix /mohi-/does not experience any change/ replacement/lose, and addition of phonemes. The prefix /lohi-/denotes the past tense. Like the prefix /mohi-/, the prefix /lohi-/does not experience any change/ replacement/lose, and addition of phonemes and it only can form verbs but cannot form nouns and adjectives. The prefix /pohi/gives imperative meanings. The prefix /pohi/also does not experience any change/ replacement/lose, and addition of phonemes. The prefix /pohi/ can form nouns, but cannot form adjectives and verbs. The following examples are taken from the research:

##### (4.a) Prefix/mohi-/-

- (1) /mohi- + [palipa]/ [noun] ‘sarong’ → /mohipalipa/ [verb] ‘to wear a sarong’
- (2) /mohi- + [u'udu]/ [noun] ‘mukena’<sup>1</sup> → /mohiu'udu/ [verb] ‘to wear a mukena’
- (3) /mohi- + [bate] / [noun] ‘batik’ → /mohibate/ [verb] ‘to wear batik’
- (4) /mohi- + [kameja] / [noun] ‘shirt’ → /mohikameja/ [verb] ‘to wear ashirt’
- (5) /mohi- + [talala]/ [noun] ‘pants’ → /mohitalala/ [verb] ‘to wear pants’

##### (4.b) Prefix/lohi-/-

- (1) /lohi- + [palipa]/ [noun] ‘sarong’ → /lohipalipa/ [verb] ‘wore a sarong’
- (2) /lohi- + [u'udu]/ [noun] ‘mukena’ → /lohiu'udu/ [verb] ‘wore a mukena’
- (3) /lohi- + [bate] / [noun] ‘batik’ → /lohibate/ [verb] ‘wore batik’
- (4) /lohi- + [kameja] / [noun] ‘pants’ → /lohikameja/ [verb] ‘wore a shirt’
- (5) /lohi- + [talala]/ [noun] ‘pants’ → /lohitalala/ [verb] ‘wore pants’

##### (4.c) Prefix/pohi-/-

- (1) /pohi- + [palipa]/ [noun] ‘sarong’ → /pohipalipa/ [noun] ‘used for sarong/blanket’
- (2) /pohi- + [u'udu]/ [noun] ‘mukena’ → /pohiu'udu/ [noun] ‘used for mukena’
- (3) /pohi- + [bate] / [noun] ‘batik’ → /pohibate/ [noun] ‘used for batik/blanket’
- (4) /pohi- + [kameja] / [noun] ‘shirt’ → /pohikameja/ [noun] ‘used for shirt’
- (5) /pohi- + [talala]/ [noun] ‘pants’ → /pohitalala/ [noun] ‘used for pants’

#### (5) Prefixes /mopo-/, /lopo-/-

Prefixes /mopo-/ and /lopo-/ can be attached to base morphemes of nouns and adjectives in order to form verbs. The prefixes /mopo-/ and /lopo-/ are attached to the base morpheme of verbs to form give meanings of doing something. The prefixes /mopo-/ and /lopo-/are attached to the base morpheme of adjectives to give meanings of making someone do something. Both prefixes do not experience any change/replacement /lose and addition of phonemes. Therefore, both prefixes do not have allomorph and are not to form nouns and adjectives. The prefix /mopo-/denotes the future tense, and the prefix /lopo-/denotes the past tense. For example:

<sup>1</sup>the white veil worn by women when performing the salat (prayer)

**(5.a) Prefix /mopo-/**

- (1) /mopo-+ [bate]/ [noun] ‘batik’ → /mopobate/ [verb] ‘to put batik on (someone)’
- (2) /mopo-+ [palipa]/ [noun] ‘sarong’ → /mopalipa/ [verb] ‘to put sarong on (someone)’
- (3) /mopo- + [u’udu] / [noun] ‘mukena’ → /mopou’udu/ [verb] ‘to put mukena on (someone)’

**(5.b) Prefix/lopo-/**

- (1) /lopo- + [bate]/ [noun] ‘batik’ → /lopopobate/ [verb] ‘put batik on (someone)’ (past tense)
- (2) /lopo- + [palipa]/ [noun] ‘sarong’ → /lopopalipa/ [verb] ‘put sarong on (someone)’ (past tense)
- (4) /lopo- + [u’udu] / [noun] ‘mukena’ → /lopou’udu/ [verb] ‘put mukena on (someone)’ (past tense)

**(6) Prefix/popo-/**

The prefix /popo-/ attached to the base morpheme of nouns give an imperative meaning. The prefix /popo-/ attached to the morpheme of verbs gives imperative meaning addressed to other person for the sake of the person. The prefix /popo-/ attached to the morpheme of adjectives gives meaning ‘to make something into something’. In addition, the prefix /popo-/ is not able to form nouns and adjectives, but it experiences the change in meaning and the addition of phoneme or suffix /-lo/. For example:

- (1) /popo- + [bate]/ [noun] ‘batik’ → /popobatealo/ [verb] ‘to wear batik’
- (2) /popo- + [palipa]/ [noun] ‘sarong’ → /popopalipawalo/ [verb] ‘to wear sarong’
- (3) /popo-+ [talala]/ [noun] ‘pants’→ /popotalalaalo/ [verb] ‘to put pants on someone’
- (4) /popo- + [totala]/ [noun] ‘guilt’→ /popototalaalo/ [verb] ‘to be declared guilty’
- (5) /popo- + [hulo’o]/ [noun] ‘seat’→ /popohulo’olo/ [verb] ‘to make someone sit down’

**(7) Prefixes /mo’o-/, /lo’o-/**

The prefix /mo’o-/ denotes the future tense and the prefix /lo’o-/ denotes the past tense. The prefix /mo’o-/ can form verbs, nouns and adjectives. The prefix /lo’o-/ only can form verbs and nouns, but cannot form adjectives. The prefixes /mo’o-/ and /lo’o-/ do not experience any change/replacement/lose, and addition of phonemes. For example:

**(7.a) Prefix /mo’o-/,**

- (1) /mo’o- + [biti]/ [adjective] ‘hungry’→ /mo’obiti/ [verb] ‘to make someone hungry’
- (2) /mo’o- + [biihu]/ [noun] ‘lip’→ /mo’obiihu/ [verb] ‘to be angry with’
- (3) /mo’o- + [beresi]/ [adjective] ‘clean’→ /mo’oberesi/ [verb] ‘to make something clean’
- (4) /mo’o- + [bo’o]/ [noun] ‘cloth’→ /mo’obo’o/ [noun] ‘enough to make cloth’
- (5) /mo’o- + [tota] / [adjective] ‘clever’→ /mo’otota/ [noun] ‘to make someone clever’
- (6) /mo’o- + [lamito]/ [noun] ‘taste’→ /mo’olamito/ [adjective] ‘can still feel/taste’
- (7) /mo’o- + [didi]/ [noun] ‘rain’→ /mo’odidi/ [adjective] ‘to make rain’

**(7.b) Prefix /lo’o-/,**

- (8) /lo’o-+ [lamito]/ [noun] ‘taste’→ /lo’olamito/ [verb] ‘can feel/taste’
- (9) /lo’o- + [tuango]/ [noun] ‘content’→ /lo’otuango/ [verb] ‘can fill’
- (10) /lo’o- + [piyohu]/ [adjective] ‘good’→ /lo’opiyohu/ [noun] ‘to make something/someone good’
- (11) /lo’o- + [dingingo] [noun] ‘wall’→ /lo’odingingo/ [noun] ‘enough to make wall’

In the above examples, the prefix /mo’o-/ forms verbs as shown in: [1], [2], [3]; forms nouns in: [4], [5]; forms adjectives in: [6], [7]. The prefix /lo’o-/ forms verbs as shown in: [8], [9]; and forms nouns in: [10] and [11].

**(8) Prefix/po’o-/-**

Prefix /po’o-/ denotes the future tense, and if it is attached to a base morpheme of adjective, it will give an imperative meaning. In order to give such imperative meaning, there is a change in phoneme /-o/ into

phoneme /-a/ at the end of the word as shown in numbers [1], [2], [3] and [4]. Also, the prefix /po'o/ can be combined with prefix /mo-/ resulting in /mopo'o/ and with prefix /lopo'o-/ resulting in /lopo'o-/ that gives the meaning of affirmation, as shown in numbers [5] and [6].

- (1) /po'o- + [dingingo] [noun] ‘wall’ → /po'odinginga/ [verb] ‘build a wall!’
- (2) /po'o- + [moolingo] [adjective] ‘sweet’ → /po'owolingo/ [verb] ‘make it sweet!’
- (3) /po'o- + [pa'ato]/ [adjective] ‘bitter’ → /po'opa'ata/ [verb] ‘make it bitter!’
- (4) /po'o- + [puti'o]/ [adjective] ‘white’ → /po'oputi'a/ [verb] ‘make it white!’
- (5) /mopo'o- + [taala]/ [verb] ‘to keep’ → /mopo'otaala/ [verb] ‘to keep something well’
- (6) /po'o- + [beresi]/ [adjective] ‘clean’ → /po'oberesi/ [noun] ‘made clean’
- (7) /po'o- + [lamito]/ [noun] ‘taste’ → /po'olamito/ [noun] ‘giving a taste’

The prefix /po'o/ can form verbs and nouns, but is not able to form adjectives: [1], [2], [3], [4], [7] and [8].

#### **(9) Prefixes /moti-/, /motiti-/, /loti-/, /lotiti-/**

Prefixes /moti-/, /motiti-/ denote the future tense and prefixes /loti-/, /lotiti-/ denote the past tense. If they are attached to the base morpheme of nouns, these prefixes can give meanings of metaphor, indicating the nature of the object, showing activities related to body organs (reflexive), and leading to attitudes and actions. The prefixes /moti-/, /motiti-/, /loti-/, /lotiti-/ only form verbs, and are not able to form nouns and adjectives. These prefixes do not experience any change/replacement/lose, and addition of phonemes.

##### **(9.a) Prefix/moti-/**

- (1) /moti- + [piyohu]/ [adjective] ‘good’ → /motipiyohu/ [verb] ‘to improve oneself’
- (2) /moti- + [damango] [noun] ‘big’ → /motidamango/ [verb] ‘to brag’
- (3) /moti- + [pate] / [adjective] ‘dead’ → /motipate/ [verb] ‘to want to commit suicide’

##### **(9.b) Prefix/motiti-/**

- (4) /motiti- + [piyohu]/ [adjective] ‘good’ → /motitipiyoohu/ [verb] ‘will improve oneself’
- (5) /motiti- + [damango] [noun] ‘big’ → /motitidamango/ [verb] ‘will brag’
- (6) /motiti- + [pate] / [adjective] ‘dead’ → /motitipate/ [verb] ‘really want to commit suicide’
- (7) /loti- + [bangga]/ [adjective] ‘arrogant’ → /lotibangga/ [verb] ‘was arrogant’

##### **(9.c) Prefix/loti-/**

- (8) /loti- + [hulo'o]/ [noun] ‘seat’ → /lotihulo'o/ [verb] ‘sat on (something)’
- (9) /loti- + [tuango]/ [noun] ‘content’ → /lotituango/ [verb] ‘enrolled in a group’

##### **(9.d) Prefix/lotiti-/**

- (10) /lotiti- + [bangga]/ [adjective] ‘arrogant’ → /lotitibangga/ [verb] ‘was/were arrogant’
- (11) /lotiti- + [hulo'o]/ [noun] ‘seat’ → /lotitihulo'o/ [verb] ‘sat on (something)’
- (12) /lotiti- + [tuango]/ [noun] ‘content’ → /lotitituango/ [verb] ‘enrolled in (something)’

#### **(10) Prefixes /poti-/ and/potiti-/**

Like prefixes /moti-/ and /motiti-/, prefixes /poti-/ and /potiti-/ denote the future tense. When attached to a base morpheme, the prefixes of /poti-/ and /potiti-/ give an imperative meaning. They can only form verbs, but cannot form nouns and adjectives. They do not experience any change/replacement/lose, and addition of phonemes.

##### **(10.a) Prefix /poti-/**

- (1) /poti- + [bangga]/ [adjective] ‘arrogant’ → /potibangga/ [verb] ‘be proud!’
- (2) /poti- + [hulo'o]/ [noun] ‘seat’ → /potihulo'o/ [verb] ‘have a seat!’

##### **(10.b) Prefix /potiti-/**

- (3) /potiti-+ [bangga]/ [adjective] ‘arrogant’ → /potitibangga/ [verb] ‘be arrogant!’  
(4) /potiti- + [hulo’o]/ [noun] ‘seat’ → /potitihulo’o/ [verb] ‘have a seat on it’

### **(11) Prefixes/mê’i-/, /lê’i-/, /pê’i/**

Prefix /mê’i-/ indicates an activity that will be done (future tense), prefix /lê’i-/ indicates an activity that was already done (past tense), and prefix /pê’i/ denotes the future tense and prefix /pilê’i/ denote the past tense, both of which form a word in passive voice. In addition, the prefixes can only form verbs, but they are not able to form nouns and adjectives. They do not experience any change/replacement/lose, and addition of phonemes. However, the combination of the prefix /po’o-/ with certain words as shown in numbers [6], [7], [9], [11], [15] and [17] in the examples below.

#### **(11.a) Prefix /mê’i-/-**

- (1) /mê’-i-+ [leeto]/ [adjective] ‘bitter’ → /mê’ileeto/ [verb] ‘to ask to be vilified’  
(2) /mê’i- + [bala]/ [noun] ‘fence’ → /mê’ibala/ [verb] ‘to ask to make a fence’  
(3) /mê’i- + [bilohu]/ [verb] ‘to see’ → /mê’ibilohu/ [verb] ‘to show oneself’

#### **(11.b) Prefix /lê’i-/-**

- (4) /lê’i- + [tuango]/ [noun] ‘content’ → /lê’ituango/ [verb] ‘asked to be filled’  
(5) /lê’i- + [piyohu]/ [adjective] ‘good’ → /lê’ipiyohu/ [verb] ‘asked to be persuaded’  
(6) /lê’i- + [piyohu]/ [adjective] ‘good’ → /lê’ipo’opiyohu/ [verb] ‘asked to be repaired’  
(7) /lê’i- + [damango] [noun] ‘big’ → /lê’ipo’odamango/ [verb] ‘asked to be enlarged’

#### **(11.c) Prefix /pê’i/-**

- (8) /pê’i- + [piyohu]/ [adjective] ‘good’ → /pê’ipiyohu/ [verb] ‘to ask to be repaired’  
(9) /pê’i- + [damango] [noun] ‘big’ → /pê’ipo’odamango/ [verb] ‘to ask to be enlarged’  
(10) /pê’i- + [pate] / [adjective] ‘dead’ → /pê’ipate/ [verb] ‘tobe killed’  
(11) /pê’i-+ [leeto]/ [adjective] ‘bitter’ → /pê’ipo’oleeto/ [verb] ‘to be vilified’  
(12) /pê’i- + [bala]/ [noun] ‘fence’ → /pê’ibala/ [verb] ‘to be fenced’  
(13) /pilê’i- + [tuango]/ [noun] ‘content’ → /pilê’ituango/ [verb] ‘asked to be filled’  
(14) /pilê’i- + [piyohu]/ [adjective] ‘good’ → /pilê’ipiyohu/ [verb] ‘asked to be repaired’  
(15) /pilê’i-+ [damango] [noun] ‘big’ → /pilê’ipo’odamango/ [verb] ‘asked to be enlarged’  
(16) /pilê’i- + [pate] / [adjective] ‘dead;’ → /pilê’ipate/ [verb] ‘ordered to be killed’  
(17) /pilê’i-+ [leeto]/ [adjective] ‘ugly’ → /pilê’ipo’oleeto/ [verb] ‘to vilify’  
(18) /pilê’i- + [bala]/ [noun] ‘fence’ → /pilê’ibala/ [verb] ‘to be fenced’

### **(12) Prefixes /mopohu-/, /lopohu-/-**

Prefixes/mopohu-/ and /lopohu-/ are unproductive affixes because they lack the ability to produce words used to utter. The prefixes /mopohu-/ and /lopohu-/ can only form verbs, but they are not able to form nouns and adjectives. They do not experience any change/replacement/se, and addition of phonemes. In addition, the prefixes /mopohu-/ and /lopohu-/ give a meaning *always*.

#### **(12.a) Prefix /mopohu-/-**

- (1) /mopohu- + [aala]/ [verb] ‘to eat’ → /mopohuaala/ [verb] ‘to eat repeatedly’  
(2) /mopohu- + [tuango]/ [noun] ‘content’ → /mopohutuanga/ [verb] ‘to eat repeatedly’  
(3) /mopohu-+ [piyohu]/ [adjective] ‘good’ → /mopohupiyohel/ [verb] ‘to always be repaired’

#### **(12.b) Prefix /lopohu-/-**

- (4) /lopohu- + [aala]/ [verb] ‘to eat’ → /lopohuaala/ [verb] ‘ate repeatedly’  
(5) (2) /lopohu- + [tuango]/ [noun] ‘content’ → /lopohutuanga/ [verb] ‘ate repeatedly’  
(6) (3) /lopohu-+ [piyohu]/ [adjective] ‘good’ → /lopohupiyohel/ [verb] ‘was always repaired’

### **(13) Prefixes /mê-/, /lê-/-**

Prefix /mē-/ is related to future tense, and prefix /lē-/ denote the past tense. The prefixes /mē-/ and /lē-/ are equal to prefix /ter-/ in Indonesian or to do (something) unintentionally. They only can form verbs, but they are not able to form nouns and adjectives. Also, they do not experience any change/replacement/lose, and addition of phonemes.

**(13.a) Prefix /mē-/-**

- (1) /mē- + [bilohu]/ [verb] ‘to see’ → /mēbilohu/ [verb] ‘to be visible’
- (2) /mē- + [tontongo]/ [verb] ‘to see’ → /mētontongo/ [verb] ‘to be fascinated’

**(13.b) Prefix /lē-/-**

- (3) /lē- + [bala]/ [noun] ‘fence’ → /lēbala/ [verb] ‘fenced’
- (4) /lē- + [bilohu]/ [verb] ‘to see’ → /lēbilohu/ [verb] ‘was/were visible’
- (5) /lē- + [tontongo]/ [verb] ‘to see’ → /lētontongo/ [verb] ‘was/were fascinated’
- (6) /lē- + [tuluhu]/ [verb] ‘to sleep’ → /lētuluhu/ [verb] ‘slept’

**(14) Prefix /mongo-/-**

Prefix /mongo-/ is a less productive prefix because it attaches only to morpheme which indicates plurality. The prefix /mongo-/ only can form nouns, but it is not able to form adjectives and verbs. In addition, it does not experience any change/replacement/lose, and addition of phonemes.

- (1) /mongo-+ [buaj]/ [noun] ‘woman’ → /mongobua/ [noun] ‘women’
- (2) /mongo-+ [talla'i]/ [noun] ‘man’ → /mongolola'i/ [noun] ‘men’
- (3) /mongo-+ [panggola]/ [noun] ‘elderly’ → /mongopanggola'i/ [noun] ‘grandfathers-grandmothers’

**(15) Prefixes /motolo-/, /lotolo/**

Prefixes /motolo-/ and /lotolo/ give meaning that an activity is done repeatedly. Sometimes these prefixes are combined with suffixes /wa-/ and /a-/ on certain words. Verbs that can be attached by the prefixes /motolo-/ and /lotolo/ are only verbs that can change their word classes, or can transpose. Therefore, the prefixes /motolo-/ and /lotolo/ can only form verbs, but they cannot form nouns and adjectives. The prefixes /motolo-/ and /lotolo/ experience change/ replacement/lose, and do not experience any addition of phonemes, but allow the combination of the suffixes /wa-/ dan /a-/ as shown in the numbers: [2], [4], and [5]. Such change/replacement/ lose occurs in phoneme /o/ changing into /a/ or phoneme /u/ into /e/ as shown in the numbers: [1], [3], [6], [8] and [9].

**(15.a) Prefix /motolo-/-**

- (1) /motolo-+ [hiyongo]/ [adjective] ‘good’ → /motolohiyonga/ [verb] ‘to always cry’
- (2) /motolo-+ [bisala]/ [noun] ‘word’ → /motolobisalawa/ [verb] ‘to speak repeatedly’

**(15.b) Prefix /lotolo/**

- (3) /lotolo-+ [hiyongo]/ [adjective] ‘good’ → /lotolohiyonga/ [verb] ‘cried frequently’
- (4) /lotolo-+ [bisala]/ [noun] ‘word’ → /lotolobisalawa/ [verb] ‘spoke frequently’
- (5) /lotolo-+ [pate]/ [adjective] ‘dead’ → /lotolopatea/ [verb] ‘killed frequently’
- (6) /lotolo-+ [leeto]/ [adjective] ‘bitter’ → /lotololeeta/ [verb] ‘said bad things about someone’
- (7) /lotolo-+ [bala]/ [noun] ‘fence’ → /lotolobalawa/ [verb] ‘made fence repeatedly’
- (8) /lotolo- + [bilohu]/ [verb] ‘to see’ → /lotolobilohe/ [verb] ‘looked at (something/someone) several times’
- (9) /lotolo- + [tontongo]/ [verb] ‘to see’ → /lotolotontonga/ [verb] ‘was/were fascinated several times’

**(16) Prefix /ngo-/-**

Prefix /ngo-/ can only be attached to a base morpheme of nouns and numeral auxiliaries. The prefix /ngo-/ is equal to prefix /ngopo-/ in Indonesian which means *one*. The prefix /ngo-/ can be combined with the prefix /po-/ into /ngopo-/, which means once and appropriate. The prefix /ngo-/ cannot form adjectives, but it can form verbs and nouns. It does not experience any addition or combination of

prefixes(*ngo-andpo-*) as shown in numbers [2], [3], [4] and [7], but it experiences a change of phoneme /o/ into phoneme /a/ at the end of word as shown in number: [2].

- (1) /*ngo-* + [bangga]/ [noun] ‘bench’ → /**ngobangga**/ [verb] ‘to sit on one bench’
- (2) /*ngo-* + [hulo’o]/ [noun] ‘seat’ → /**ngopohulo’u**/ [verb] ‘to sit on one seat’
- (3) /*ngo-* + [bilohu]/ [verb] ‘to see’ → /**ngopobilohu**/ [verb] ‘to have one sight’
- (4) /*ngo-* + [aala]/ [verb] ‘to eat’ → /**ngopoala**/ [verb] ‘to eat together’
- (5) /*ngo-* + [kaambungu]/ [noun] ‘kampong’ → /**ngokaambungu**/ [noun] ‘one kampong’
- (6) /*ngo-* + [meteri]/ [noun] ‘meter (instrument for measuring)’ → /**ngometeri**/ [noun] ‘one meter’
- (7) /*ngo-* + [kameja]/ [noun] ‘shirt’ → /**ngopokameja**/ [noun] ‘sufficient material to make a shirt’

#### **(17) Prefix /o-/**

Prefix /o-/ can form verbs, nouns, and adjectives. In the formation of verbs it experiences changes, namely changes in the sound [o] at the end of word into [a] or [wa] and sound [u] into [e]; and in the formation of adjectives the prefix /o-/ ends with the sound /a/, as shown in numbers: [1], [3], [4], [5], [6], [7], [8], [9] and [11] below.

- (1) /*o-* + [bilohu]/ [verb] ‘to see’ → /**obilohe**/ [verb] ‘to be seen’
- (2) /*o-* + [aala]/ [verb] ‘to eat’ → /**o’ala**/ [verb] ‘to be eaten’
- (3) /*o-* + [tuango]/ [noun] ‘content’ → /**otuanga**/ [verb] ‘to be filled’
- (4) /*o-* + [bisala]/ [noun] ‘word’ → /**obisalawa**/ [verb] ‘to be said’
- (5) /*o-* + [leeto]/ [adjective] ‘mean’ → /**oleeta**/ [verb] ‘to be treated poorly’
- (6) /*o-* + [piyohu]/ [adjective] ‘good’ → /**opiyohe**/ [verb] ‘to be treated well’
- (7) /*o-* + [bala]/ [noun] ‘fence’ → /**obalawa**/ [verb] ‘to be fenced’
- (8) /*o-* + [tontongo]/ [verb] ‘to see’ → /**otontonga**/ [verb] ‘to be seen’
- (9) /*o-* + [pate]/ [adjective] ‘dead’ → /**opatea**/ [adjective] ‘sad’
- (10) /*o-* + [karaja]/ [noun] ‘party’ → /**okaraja**/ [verb] ‘to throw a party’
- (11) /*o-* + [iilangi]/ [adjective] ‘inadequate’ → /**o’iilangia**/ [adjective] ‘inadequate’

In addition, the prefix /o-/ in the formation of nouns do not experience any change or addition. It means *to have* or *to own*.

#### **(18) Prefix /tapa-/**

Prefix /tapa-/ is an unproductive prefix. It means *to do something unintentionally and suddenly*. It denotes the future tense. However, if it is combined with infix /-il-/ becoming a prefix /tilapa-/, it will denote the past tense. It cannot form nouns and adjectives.

#### **(19) Prefix /polo-/**

Prefix /polo-/ means *season*. It can only be attached to certain and limited words. It can only form adjectives, but it cannot form verbs and nouns.

#### **(20) Prefix /tonggo-/**

Prefix /tonggo-/ means *work together* accordance to the morpheme attached. If the prefix /tonggo-/ is combined with the infix /-il-/ into /tilonggo-/, it will mean *worked together on something*. It only can form verbs but it cannot form nouns and adjectives.

#### **(21) Prefix /hinggo-/**

The prefix /hinggo-/ means *to do something several times*. It can be connected with the suffix /-lo/ or with the prefixes /mo-, lo-, po-/, becoming /mohinggo-, lohinggo-, pohinggo-/. It can only form verbs, but it cannot form nouns and adjectives.

#### **Infixes: /-il-/, /-li-/, /-mi-/, and/-um-/.**

The number and types of infixes found in this research were different from Pateda and Pulubuhu (2009). If Pateda found only three infixes (-il-, -im-, dan -um-) called the infix /-im-/, this study did not find the infix /-im-/, but the infix /-im-/and found the infix (-li-) as shown in the examples below.

The infix /-il-/form a word in passive voice and the past tense. It is placed in the middle of word if the attached word starts with a consonant ([3], [4], [5], [6], [ 7], [8], [9], [10] and [11]). It is placed at the front if the attached word starts with a vowel ([1], [2]). It can be used simultaneously with the infixes/-mi-/and /-um-/ ([12], [13]). The infixes /-mi-/and /-um-/ can form verbs and nouns, but they cannot form adjectives.

The infixes /-mi-/and /-um-/ are shown in numbers ([16],[17],[18], [19]and [20]).

#### **Infix/-il-/**

- (1) /-il-/ + [aala]/ [noun] ‘makan’ → /iloaala/ [verb] ‘ate’
- (2) /-il-/ + [aambungu]/ [noun] ‘sorry’ → /iloaambunguwa/ [verb] ‘was/were forgiven’
- (3) /-il-/ + [hulo’o]/ [noun] ‘seat’ → /tilonggohulo’o/ [verb] ‘to sit together’
- (4) /-il-/ + [tuango]/[noun] ‘content’ → /tiluanga/ [verb] ‘to be filled’
- (5) /-il-/ + [bala]/ [noun] ‘fence’ → /tilonggobala/ [verb] ‘to fence together’
- (6) /-il-/ + [kameja]/ [noun] ‘shirt’ → /tilonggokameja/ [verb] ‘to wear shirt together’
- (7) /-il-/ + [bangun]/ [verb] ‘to wake up’ → /bilongu/ [verb] ‘to be awoken’
- (8) /-il-/ + [tuladu]/ [noun] ‘letter’ → /tiluladu/ [verb] ‘to be written’
- (9) /-il-/ + [tayango]/ [verb] ‘to jump (intentionally)’ → /tilumayango/ [verb] ‘to jump (unintentionally)’
- (10) /-il-/ + [tihulo]/ [noun] ‘standing’ → /tilimi hulo/ [verb] ‘will stand’

#### **Infix/-li-/**

- (11) /-li-/ + [iomo]/ [noun] ‘smile’ → /ili iomo/ [verb] ‘to smile’
- (12) /-li-/ + [imi’ito]/ [noun] ‘pain in one’s back’ → /imi’i muto/ [verb] ‘to have a pain in one’s back’

#### **Infix/mi-/**

- (13) /-mi-/ + [iomo]/ [noun] ‘smile’ → /imi iomo/ [verb] ‘to smile’
- (14) /-mi-/ + [ipito]/ [verb] ‘to be brought’ → /imipito/ [verb] ‘to bring together’
- (15) /-mi-/ + [inggidu]/ [noun] ‘age, period’ → /iminggaidu/ [noun] ‘an age, a period’
- (16) /-mi-/ + [intilo]/ [noun] ‘muscle’ → /imintilo/ [noun] ‘sprained muscle’
- (17) /-mi-/ + [iyopo]/ [adjective] ‘small’ → /imiyopo/ [adjective] ‘to shrink’

#### **Infix/-um-/**

- (18) /-um-/ + [tayango]/ [verb] ‘to jump’ → /tumayango/ [verb] ‘to jump’
- (19) /-um-/ + [aita]/ [noun] ‘something that is held (handle)’ → /umaito/ [verb] ‘to hold’

#### **Suffixes: /-wa/and /-lo/.**

The suffix /-lo/ consists of /-lo/, /-alo/, /-elo/, and /-olo/. Such changes occur depending on the final vowel of the base morpheme attached. The suffix/-a/ consists /-a/, /-e/, /-i/, /-aa/, or /-wa/. The suffix /-lo/ form a word in passive voice. The suffix /-wa/ can form verbs and nouns, but it cannot form adjectives. The suffix /-lo/ can form verbs, nouns, and adjectives.

#### **Suffix: /-wa/**

- (1) /-wa/ + [bala]/ [noun] ‘fence’ → /balawa/ [verb] ‘fence!’
- (2) /-wa/ + [po’ota]/ [noun] ‘guideline’ → /po’otaawa/ [verb] ‘to get acquainted (with)

- (3) /-wa/ + [hama]/ [verb] ‘to take’ → /hamawa/ [verb] ‘take!’  
(4) /-wa/ + [otala]/ [noun] ‘mistake’ → /otalawa/ [verb] ‘to make a mistake’  
(5) /-wa/ + [bisala]/ [noun] ‘word’ → /bisalawa/ [nomina] ‘agreement’

**Suffix: /-lo/**

- (1) /-lo/ + [aala]/ [verb] ‘to eat’ → /aalalo/ [verb] ‘eat!’  
(2) /-lo/ + [aala]/ [verb] ‘to eat’ → /aalolo/ [verb] ‘to be eaten’  
(3) /-lo/ + [hulo’o]/ [noun] ‘seat’ → /hulo’alo/ [verb] ‘to be sit on’  
(4) /-lo/ + [hulo’o]/ [noun] ‘seat’ → /hulo’olo/ [verb] ‘have a seat!’  
(5) /-lo/ + [tuango]/ [noun] ‘content’ → /tuangolo/ [verb] ‘to be filled’  
(6) /-lo/ + [tuango]/ [noun] ‘content’ → /tuangalo/ [verb] ‘fill!’  
(7) /-lo/ + [bala]/ [noun] ‘fence’ → /balaalo/ [verb] ‘to be fenced’  
(8) /-lo/ + [bala]/ [noun] ‘fence’ → /balawalo/ [verb] ‘fence!’  
(9) /-lo/ + [bilohu]/ [verb] ‘to see’ → /bilohelo/ [verb] ‘to be seen’  
(10) /-lo/ + [tali]/ [noun] ‘purchase’ → /taliyalo/ [verb] ‘buy!’  
(11) /-lo/ + [tali]/ [noun] ‘purchase’ → /taliyolo/ [verb] ‘to be bought’  
(12) /-lo/ + [kameja]/ [noun] ‘shirt’ → /kamejalo/ [verb] ‘to be put a shirt on’  
(13) /-lo/ + [tutupito]/ [noun] ‘clip’ → /tilupitolo/ [verb] ‘to be clipped’

## CONCLUSION

Based on the aforementioned description, the process of affixation in the formation of Gorontalo language includes 34 prefixes, 4 infixes, and 2 suffixes. Such formation can be classified on the formation based on the derivational paradigm of verbs, nouns, and adjectives. In Gorontalo language there are four types of derivation, namely: (a) verbs derived from nouns, or denominal verbs; (B) verbs derived from adjectives, or deadjectival verbs (Verhaar, 1996: 151); in addition to the two types of derivation (a, b) in the language of Gorontalo there are the third and fourth derivation, namely: (c) verbs derived from verbs, or deverbal verbs; and (d) nouns derived from verbs, or deverbal nouns.

In addition, the process of affixation in the word formation of Gorontalo language has differences in the word forms by adding root bound form which change form and meaning. For instance, the prefix /mo-/ experiences changes/replacement/lose of phoneme /t/ into /l/; /b/ into /m/; /p/ into /m/ and /il/ into /m/; addition of phonemes /ti/, and /hin/. If observed carefully, the prefix /mo-/ has allomorphs: /mot-/, /mom-/, /mol-/, and /moh-/; and the prefix /o-/ changes the sound [o] at the end of words into [a] or [wa] and the sound [u] into [e]; and in the formation of adjectives the prefix /o-/ ends with the sound /a/.

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