



CONFERENCE PROGRAM AND ABSTRACTS

THE 1ST UMM INTERNATIONAL CONFERENCE ON PURE AND APPLIED RESEARCH

(UMM-ICoPAR 2015)

**PLANNING FOR ENVIRONMENTAL
SUSTAINABILITY FOR THE WELL-BEING
OF FUTURE HUMANITY**



AUGUST 21-22, 2015 | MALANG, INDONESIA

UNIVERSITY OF MUHAMMADIYAH MALANG

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74. The combustion of Hexanaby Using Film Evaporation In Narrow Canal Inside wall of Quartz Tube Meso-Scale - Combustor

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ABSTRACT

Meso-scale combustor made from quartz-copper- quartz with 3.5 mm inner diameter. The inside walls of the copper segment, there is a narrow channel 0.5 mm depth. Flame can be stabilized at the lowest equivalence ratio of 1.1 and a the highest of 16.4 while the lowest reactants speed 18 cm/s and the highest 29 cm/s. This range is narrower than electrospray method with a fuel mixture of ethanol and n-heptane. This study found a gap flame from the wall, which means combustion reaction does not occur. This causes the combustion is wasteful.

Keywords: Meso-scale combustor, Hexana, flame stability, visualization

75. Model Individualized Professional Development (Ipd) Professional Teacher For Quality Improvement In Bpkb Province Gorontalo

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ABSTRACT

Educate, teach, and train the learner is the teacher's task as a profession demands. Teachers should improve the quality of teaching and able to adapt to the development of science and technology so that they can carry out their duties in a professional manner. This research activity is designed to apply the approach of research and development (research and development). The steps in the execution of R & D are: (1) begins with researching and gathering information, through reading literature, making observations, and prepare a report on the need for development, (2) planning and making prototype components to be developed, including the ability to define / skills that will be developed, formulate goals, menentuan sequence of events, as well as create a special measurement scale, (3) developing early prototypes, such as preparing textbooks and raised evaluation, (4) conduct limited testing of the initial model, (5) revise the initial model , (6) conduct field trials, (7) to revise the results of trials, (8) to operationalize the model that has been tested, (9) carry out the final revision to the model, and (10) the dissemination or distribution models. The location was used as a place of research is Gorontalo province in 2014. Data were collected through interviews, observations, questionnaires, documentary studies, and focus group discussions. The results showed teachers should have a desire to grow and develop in his post through assistance and encouragement the principal / supervisor. One model that is ideal for the supervision of teachers who have the desire to perform their duties and roles professional that Individualized Model of Professional Development (IPD) with the following steps: (1) Target device; (2) Review the target device; (3) Meeting Talking Target Devices; (4) Process Assessment; (5) Summary of Assessment. Individuazed Model Professional Development (IPD) in its implementation in terms of time more efficient, less expensive, and is not bound by a friend other teachers compared with other supervisory activities.

Keywords: individuazed professional development, teacher professional



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