



AIC 2018: FUTURE OF MARKETING AND MANAGEMENT

Implementation and Application of qualifying New Teacher
Qualified With Rule Based Classification Method Master
Information Engineering of West Sumatra

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*Peer-review under responsibility of 4th Asia International Conference 2018 editorial board
(<http://www.utm.my/asia/our-team/>)*

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Research Highlights

This study aimed to carry out a new teacher qualification grouping of Information Engineering of West Sumatra into three areas of concentration are areas of concentration Informatics Multimedia, software Engineering and Computer Network. This study also aims to look at the validity, practicalities and effectiveness of the application of new teachers qualifying for classifying Information Engineering of West Sumatra.

Teachers are professional educators with the primary task of educating, teaching, guiding, directing, train, assess and evaluate students on early childhood education, formal education, primary education and secondary education. *New teacher Qualified* is the New Teacher Qualified and professional educators who will spearhead the national education in achieving national educational goals intact. Teacher of Informatics has three different concentrations namely Multimedia, Software Engineering and Computer Network. To determine the concentration of Teachers of Informatics, do classification using qualifying applications built using the criteria of Rule Based Classification Rule established and proven valid, practical and effective.

Research Objectives

This study bertujuan to qualify for the new Master of Informatics into three areas of concentration are areas of concentration Informatics Multimedia, Software Engineering and Computer Network is valid, practical and effective.

Methodology

The methodology used to adopt the ADDIE model of the stage Implementation and Evaluation. At the stage of implementation of the tests on 30 new Master Information Engineering Master's West Sumatra criteria of Informatics who teaches under 5 years old.





Results

The results obtained from the application does is terkelompoknya new teacher of Informatics into three areas of concentration are areas of concentration Informatics Multimedia, software engineering and concentration fields Computer Network. Of the 30 participants who carried out the test, a new teacher clustered areas of concentration Multimedia informatics techniques were 9 people, Software Engineering concentration fields as many as 13 areas of concentration dang Computer Network 8 people.

Before the implementation is done, has been done before validation of the application media to the three validators who are experts in the field of media with an average yield of 0.97 Aikens'V with the results of the application media Valid for use. Validation test was also conducted on about the content or materials used in qualifying, valiasi test conducted by three validator which each represent one area of concentration of Informatics, the average yield obtained Aikens'V 0.97 with about qualifying categories are valid for use ,

Along with the qualifying process, test the practicalities of implementation and effectiveness of the results obtained. From the test results obtained practicalities of the practicalities of an average value of 89% with a Very Practical category. The test results also examined the effectiveness and magnitude of the value obtained effectiveness ratio above 80% in the category of Most Effective

Findings

The research found the tendency of the 30 samples of new teachers teaching Informatics under 5 years of that new teachers Informatics Software Engineering majoring in more dibandingkan new teachers Informatics Other areas of concentration

From the results of this experiment also found an application qualifying new teacher of Informatics which qualifies the new teacher of Informatics into three areas of concentration of Informatics namely areas of concentration Multimedia, the field of Software Engineering and Computer Engineering Network proven validity, practicalities and effectiveness so well that application decent qualifying use.





Acknowledgement

In the process pengerjuan exam by teachers, researchers can not force teachers to answer the questions seriously because there is no influence of test results conducted on the official assessment by the teacher concerned.

Researchers can not force teachers to fill out a questionnaire practicalities properly, dikarenakan trend of teacher does not read the questionnaire given seriously.

Thanks for the magnitude of the Faculty of Engineering, University of Padang which has helped researchers completed the study.

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Zubair Shobrun Jamil, Dedy Irfan, Titi Sriwahyuni 2015. Mapping Information System Design Padang City Health Facilities by Utilizing Web-based Google Maps API. Vol.3, No. 1 January-June 2015 ISSN: 2302-3295. journal Voteknika

