

DESIGN OF ASSESSMENT TOOLS FOR CERTIFY ELECTRICAL ENGINEER BASED ON REKOGNITION OF PRIOR LEARNING

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ABSTRACT

The objectives of this research are 1) design and implementation assessment tools to certificate electrical engineer profession based on recognition of prior learning (RPL), 2) to assess the instrument to the electrical engineering expert and education evaluation expert.

The method used to design and develop the assessment tools for certificate of electrical engineer based on recognition of prior learning (RPL) is research and development with ADDIE model. The research consist of five steps, they are 1) Needs analysis, 2) Design of assessment tools, 3) Develop of assessment tools based on RPL, 4) Implementation the instrument tools and 5) Evaluation.

The result of the research shows that the certification apparatus of the profession of electrical engineering engineer based on past learning recognition (RPL) consists of 1) Engine Application Form (FAI), and 2) Rubric FAI assessment. Based on the assessment of electrical engineering experts indicate that this assessment tool is feasible to use with a mean score of 3.2 (very good), whereas according to the expert evaluation of learning is very reasonable with a mean score of 3.4 (very good).

Kata Kunci: *engineer, recognition of prior learning, professional engineers certification*