

# **Development of an assessment instrument for Recognition of Past Learning in the Professional Engineering Study Program at UNY**

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## **ABSTRACT**

This development research aims to determine the feasibility of the assessment instrument for the Recognition of Past Learning (RPL) program in the field of Civil Engineering in the Professional Engineer Study Program. The development model in this research uses a 4D development model which consists of define, design, develop and disseminate.

This research stage only reaches the develop stage. This research was carried out by conducting a Forum Group Discussion (FGD). Forum Group Discussions (FGD) were carried out 3 times with 9 experts. The nine experts include 5 experts in the field of Civil Engineering, 3 experts in the field of Professional Engineers, and 1 expert in the field of Measurement in the field of Civil Engineering. The assessments of the nine experts produced values for Aiken's V validity and reliability with the help of Excel and SPSS programs. The calculated V Aiken value will be compared with the coefficient obtained from the V Aiken table (0.72).

The research results obtained include the results of product development resulting from grids, assessment rubrics and instruments for each course in the UNY Professional Engineer Study Program (PSPPI). The results of the instrument's feasibility, obtained from 50 statement items, are classified as "valid" items. The average value obtained was 0.85 and was classified as "valid". The results of FGD 1 show that suggestions and input are more focused on the instrument items of the Engineering Practice course which are balanced with a weight of 12 credits. The results of FGD 2 show suggestions and input related to PSPPI courses which have their own criteria. The results of FGD 3 show suggestions and input related to the justification of the assessment rubric for each course. Key words: engineer, RPL, Civil Engineering

Kata Kunci: *Engineer, RPL, Civil Engineering*