

ABSTRACT

Eri Santi, NIM 4173121014 (2017). The Development Of Test Instrument Based On Procedural Knowledge Of Fluid Dynamic Topic.

This research aims to develop test instrument based on procedural knowledge of fluid dynamic topic that meets the feasibility of a good test instrument, including validity, reliability, difficulty level, discriminating power, and student responses. This type of research is a Research and Development (R&D) research ADDIE model with five stages, namely (1) analyze, (2) design, (3) develop, (4) implement, and (5) evaluate. Research subjects namely XI-2 and XI-3 class students totaling 50 students at SMA PAB 8 Saentis Percut Sei Tuan and the test instrument developed in the form of an essay with 15 items. Based on qualitative analysis, the quality of the test is good, with a average score of 92% by the validator, meaning that the test is valid with little revisions. In Based on quantitative analysis in small classes, it shows that 13 items are valid with a test reliability of 0.95 while in large classes showed 12 valid items with a test reliability of 0.91. Based on data analysis, the feasibility of test instrument is good so that they can be used to train students' procedural knowledge on fluid dynamic topic.

Keyword: Procedural Knowledge, Test Instrument, ADDIE Model,
Fluid Dynamic