

PENGEMBANGAN BUKU AJAR GEOMETRI EKSPLORATIF BERBASIS HOTS

by Ali Mahmudi, Murdanu, Anggit Reviana Dewi Agustyani

ABSTRACT

This study aims to develop an exploratory geometry textbook based on valid, effective and practical HOTS used in courses geometry. This research is a developmental research with ADDIE model, which consists of several stages of research, namely Analysis (Analysis), Design (Design), Development, Implementation, and Evaluation (Evaluation). The validity of the textbook is reviewed from the theoretical suitability of the textbook justified or assessed by experts (judgment validity). Practicality in terms of the ease with which the teaching materials are implemented in geometry lectures. Meanwhile, the effectiveness is seen from the student's geometry learning outcomes. Subject. This study is a student participant in the Geometry course in the Education Study Program. Mathematics FMIPA UNY. The research will be carried out from February to July 2020. This research instrument is a textbook validation sheet, an assessment instrument HOTS students, and the practical use of geometry textbooks. Outside The main purpose of this research is planned in the form of scientific articles. While additional external is an exploratory geometry textbook that is valid, effective, and practical.

Kata Kunci: *buku ajar, geometri eksploratif, HOTS*