

**DEVELOPING THE SUBJECT MODULE OF MEASURING DEVICE
IN SMK N 3 YOGYAKARTA**

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ABSTRACT

This study was aimed to describe the development process and feasibility of learning module which can be used to support the learning on the subject of the measuring device in SMK 3 Yogyakarta especially in the Machine Engineering Department.

This study was a research-development (research and development). The objects of this research were the students of the First Grade of Machine Engineering Department of SMK N 3 Yogyakarta. The data were collected by using questionnaire and analyzed by descriptive quantitative.

The findings of this study showed that: 1) The process of making learning media in the form of the measuring device include: (a) observation, (b) planning, (c) the compilation of learning media in the form of measurement device module, (d) expert test (validation), (e) revision to compile the main product, (f) limited empirical test of participants, (g) revision to compile final product, (h) final product. 2) Feasibility test of device measurement module on the measurement device subject that was developed by the researcher got 82, 92 % in percentage with the category of very feasible by the material expert, and from the media expert got 86, 035 % with the category of very feasible. From the feasibility test to the module, it can be concluded that the learning media in the form of device measurement module which has been developed is feasible to be used to support the learning process on the measuring device subject.

Keywords: the device measurement module, the module development of measurement device, measuring device (linear)

Acknowledge,

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