

**THE DEVELOPMENT OF LEARNING MEDIA ON MATERIAL
TESTING USING MICROSOFT OFFICE POWERPOINT
IN METALLURGY MAJOR AT SMK N 2 YOGYAKARTA**

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ABSTRACT

The research aims at developing learning media in material testing based on Microsoft office PowerPoint. The media will used to support metallurgy major at SMK N 2 Yogyakarta.

Research and development (R&D) method was used in this research. The respondent are learning media expert, metallurgisx expert, and XI TP student at SMK N 2 Yogyakarta. Observation, questionnaire, and documentation technique were used in data collection. Qualitative data was commentary while quantitative data was score in scale of 5. The data analysis technique was descriptive quantitative analysis which converted in to qualitative data using likert scale to judging the learning media properness.

The step in developing learning media are: (1) problem identification in metallurgy major, learning need of material testing, and identification of material testing learning goal; (2) design and development of learning media; (3) feasibility test of media by media expert, metallurgisx expert, small group trial, and major group trial; (4) the media based on analysis and revision. The assessment results of media developed shows that average score is good and the media can be used to support metallurgy learning process.

Key words: Learning Media, Material Testing, Microsoft Office PowerPoint