ABSTRACT

Febrika Rouly Lbn Raja, NIM. 5173131010, Development of Learning Module for Electrical Lighting Installation Subject Class XI Electrical Power Installation Engineering SMK Dwiwarna Medan. Electrical Engineering Education Study Program, Faculty of Engineering, Medan State University, 2020.

This study aims to determine the procedure for making Learing Module for Class XI Electrical Lighting Installation Subjects Electrical Power Installation Engineering SMK Dwiwarna Medan. As well as knowing the feasibility level of teaching materials for Learing Modules for Class XI Electrical Lighting Installation Subject Electrical Power Installation Engineering at SMK Dwiwarna Medan. This type of research is research and development of Learing Module or Research and Development (R&D).

The method in this research is carried out by elaborating through four stages, namely define, namely the initial analysis, student and curriculum analysis, and formulating objectives. The second design is the preparation of an outline of the Learing Module, designing the learning content according to the Learing Module used, choosing the format, writing Learing Module. The three developments are expert validation: feasibility assessment, final product of Learing Modules. The fourth is Disseminate, namely introducing new products. The Learing Module that was developed was declared feasible based on material experts covering four aspects including: presentation, material, language, and benefits which reached an average value of 95 with a percentage of 95%, it can be concluded that the LKPD developed was very suitable for use. As well as the feasibility of media experts covering five aspects, namely appearance, ease of use, consistency, format and graphic aspects which reach an average value of 93 with a percentage of 93%, it can be concluded that the Learing Module developed is very suitable for use.

Keywords: ***Learning Module Development, Four-D Model, and Electrical Lighting Installation***