

DEVELOPMENT OF LEARNING MODULE TO MAKE THE DISTRIBUTION MAP OF VOCATIONAL SCHOOL OF DPIB SKILLS IN SPECIAL AREAS OF YOGYAKARTA USING ARCGIS ONLINE

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ABSTRACT

The purpose of this study was to develop a learning module for making distribution maps of SMK in the DPIB expertise program in DIY using ArcGIS Online in the Geomatics Practicum II course in the Department of Civil Engineering and Planning UNY. This research is included in research and development or research and development (R&D). In conducting research, the 4D (four-D) described by Thiagarajan was used. In this study, data collection techniques were carried out by distributing questionnaires to respondents. This study uses a qualitative descriptive technique as a data analysis technique. This research produced several results, these results are: (1) Development of learning media through the 4D stage. The definition stage (Define) is the initial stage that aims to identify various problems that arise and capture existing information, the design stage is the stage in designing the product to be made, the development stage is the stage in the form of developing learning media in accordance with the design or design that had previously been formed, and the dissemination stage (Disseminate), this stage is the last stage in 4D development research, the dissemination stage is carried out by distributing the media that has been developed so that the media can be used by others who need the media. (2) The specification of the learning media developed is the learning module. (3) The feasibility of the learning module is based on the assessment of the material expert, namely 3.93 in the "Feasible" category, media experts of 4.77 with the "Very Appropriate" category, and user feasibility testing of 4.23 with the "Very Appropriate" category.

Kata Kunci: ArcGIS Online, Learning Module, Development.