**PENGEMBANGAN PERANGKAT PEMBELAJARAN MATA DIKLAT INSTALASI SISTEM OPERASI GUI & CLI BERBASIS *MACROMEDIA FLASH* DI SMKN 1 PALLANGGA KABUPATEN GOWA**

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ABSTRACT

The study aimed at (1) developing learning package of installation of GUI and CLI Operational System with Macromedia Flash basis at SMKN 1 Pallangga, (2) examining the practicality of the use of learning package of installation Operational System with Macromedia Flash basis, (3) examining the effectiveness of the use of learning package of installation of GUI and CLI Operational System with Macromedia Flash basis in learning activities.

The study was a R&D research which employed 3-D development model. The development phases consisted of defining phase, design phase and development phases. Data were collected using questionnaire and observation sheet. The subject of the study were grade X student of Network Computer Engineering of academic year 2012/2013 at SMKN 1 Pallangga In Gowa District.

The study produced (1) a product of learning package of installation of GUI and CLI Operational System with Macromedia Flash basis. The product was tested to the subjects in three stages, namely individual group, small group, and limited group. At the end of each tryout, revision was conducted based on the evolution result of the subjects. After conducting revision, the product was tested in real learning activities, (2) the learning package of installation of GUI and CLI Operational System with Macromedia Flash basis was practical to be used in learning activities based on the evaluation result by the experts toward the content of learning package which was in valid category, the application and presentation were in extremely good category, and the observation result of teacher’s activities in learning activities was in good category, (3) the learning package of installation of GUI and CLI Operational System with Macromedia Flash basis in learning activities was effective to be used in learning based on the observation result of teacher’s activities in learning which was in good category, the observation result of students’ activities was in good category, the result of student response toward learning was in good category, and students’ learning outcomes were in high category. Based on results, the learning package was expected could be used in learning activities and could develop other subjects.