

## ABSTRACT

**MOHAMAD SYAMSUDIN. MAKING LEARNING MEDIA REPAIR AND MAINTENANCE OF ELECTRIC MOTORS WITH ANDROID MOBILE APPLICATION** Department of Electrical Engineering at the State University of Jakarta. Thesis. Jakarta: Study Program Electrical Engineering, Department of Electrical Engineering, Faculty of Engineering, State University of Jakarta. Mentors, Drs. Irzan Zakir, M.pd and Drs. Readysal Monantun.

This thesis aims to make learning media and perawatan repair of electric motors in the course of repair and perawatan electric motor. This thesis is done in the Department of Electrical Engineering, State University of Jakarta in April to June 2015.

The method used to make learning media repair and maintenance of electric motors ebrbasis android is an experimental method.

Learning Media Applications Electric Motor Repair and Maintenance created includes three stages, namely the planning phase, the production phase and Phase Completion (Evaluation). To test the quality and effectiveness of learning media tested to media experts, materials specialists, and 30 students of Electrical Engineering Department of the Jakarta State University.

Based on these data we can take the conclusion that the use of instructional media applications repair and maintenance of electric motors feasible and media can be a tool for students who take courses in the repair and maintenance of electric motors in the Department of Electrical Engineering, State University of Jakarta.

**Keywords: learning media, applications eclipse, repair and maintenance of electric motors, android.**