

# TRAINER DEVELOPMENT AS LEARNING MEDIA PID CONTROLLER IN PRACTICE COURSE CONTROL SYSTEMS I

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## ABSTRACT

*This research aims to develop PID controller trainer and trainer assess the feasibility of PID Controller. Trainer application developed using PID controller is dual brushless controller.*

*This study is a R & D-oriented products such as trainer and companion module. Once the product gets validation from an expert by testing alpha and beta test of the product was evaluated in the actual implementation. Media development refers to the model of Lee & Owens. This study uses a model of development that includes analysis, design, implementation and evaluation, evaluation and revision where the location is situated at every stage. The evaluation is conducted by subject matter experts, media experts and users. Retrieving data using a questionnaire which has a range of values  $1 \leq x \leq 4$ . Acquisition value subsequently converted questionnaire to determine eligibility category.*

*The results showed the feasibility of trainer PID Controller value was 3.33 and category Very Good. Because the trainer PID controller gain values  $1 \leq x \leq 4$  feasibility is very good, the trainer can be used in the classroom.*

*Kata Kunci: Development, PID Controller, dual brushless*