

## ***ABSTRACT***

### ***DEVELOPMENT OF WEB-BASED FINAL PROJECT 1 REGISTRATION SYSTEM WITH PROTOTYPING METHOD***

*Author*

Gamaliel Widhi Pradana

18104010

*Student is a term that refers to someone who is pursuing higher education or is studying at a university and is expected to become an intellectual candidate. Students who have completed their education will get a degree in accordance with the completed educational program. Final Project is one of the compulsory subjects and is one of the prerequisites for students of the Faculty of Informatics, Telkom Institute of Technology Purwokerto to obtain a degree (Bachelor of Computer). The final project is divided into two stages, namely the final project I with 2 credits and the final project II with 4 credits. This scheme is expected to be completed within 2 semesters (12 months).*

*The Final Project I is in the form of a student research proposal and is generally divided into four stages, namely the guidance stage, the registration stage for the final project I, the proposal seminar stage, and the proposal evaluation stage. However, in practice, when submitting and collecting data on the registration stage of the final project I was still done manually using email and Microsoft Excel which was considered less practical. Therefore, it is necessary to develop a registration system for final project I using Software Development Life Cycle (SDLC) prototyping to provide convenience for the TA task force, students, supervisors, and examiners of the Faculty of Informatics, Telkom Institute of Technology Purwokerto in terms of registering seminar proposals and managing data/ final project file I.*

*The prototyping method was chosen because users are active in system development so that the products developed are more easily adapted to the wishes and needs of users. In addition, the use of the prototyping method can also shorten the duration of software development so that it can save more time. Based on this research on the Final Project 1 Registration System at the IT Telkom Purwokerto Faculty of Informatics, the results obtained through black box testing using the Equivalence Partition technique which shows that the system features run as expected by the TA task force, which means all features can run as they should.*

***Keywords : final project, prototyping, registration system, black box.***