ABSTRACT

Practical work and community service (KPPM) is a compulsory subject that must be followed by Telkom University students who are undergoing third-level courses which aim to create work experiences for students. In the management of practical work and community service (KPPM) at Telkom University, especially at the Faculty of Industrial Engineering, an admin is needed who can monitor the processes that occur in every practical work carried out by students. The management of practical work carried out by admins is mostly still using a manual system. The problem found in this admin module is plotting supervisors with different systems to distributing information using third party information systems, namely social media, these activities are considered ineffective and efficient to use. Therefore, the development of a website-based information system on practical work administration and community service (KPPM) can help admins in managing practical work administration easily. The method used is Extreme programming (XP), which is a software development method that is fast, efficient, low risk, flexible, and fun. Development of a practical work administration website and community service (KPPM) using the Laravel framework and MySQL database. The results of Blackbox testing can be explained that the whole system can run as expected. The results of the Usability testing test are based on what is accumulated and get results which state that a website-based information system on practical work administration and community service (KPPM) at the industrial engineering faculty is very feasible to use, but still needs further development related to a comfortable display to use. for Users and other system functions.

*Keywords—**Telkom University, Faculty of Industrial Engineering, information systems, practical work, Extreme programming.***