

## ABSTRACT

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*School of Applied Sciences Telkom University Bandung has Research Group. Group possess the expertise to produce a work assignment in the form of a scientific article, Research Group is assigned to produce scientific article. However to achieve this goal, Research Group is still facing problem, in finding the right scientific event according to its field of research. This is because the lecturer who is a member of Research Group event information via a broadcast from other lecturer who knows the event information via the web or memos. Besides lecturer also did not conduct internal review before submitting scientific articles to event organizers, infact this should be done because it is a standardization in the collection of scientific articles. Lecturer also can not report the activities of scientific publications that have been done, so each head of Research Group can not know the progress of the in group member of respectively. Based on the problems it is necessary to develop a web-based application that can support the activities of scientific publications Research Group based on scientific events such as group member can receive event notification that match than scientific expertise. Research Group can conduct an internal review before submitting scientific articles to event organizers and group member can also report and monitor the progress of scientific publications that have been done based on the owned event. So that reach head of the Research Group can receive a report of the Research Group members activities. In this final project as Software Development Life Cycle (SDLC) with waterfall model. This application is developed using web based tools and PHP programming for data storage using Oracle 11G R2 database. Testing programs using black box testing methods. This application is expected to facilitate the Research Group in scientific publications activities, thus achieving one of the goals of the establishment of Research Group.*

*Keywords: Research Group, Scientific publications, Waterfall, PHP, ORACLE 11G R2*