

## ABSTRACT

*In general, a scientific research requires considerable costs for lecturers in Telkom University. Therefore, Telkom University needs Department that is ready to process and also finance each of these research. The right Department Bagian Pengembangan Pembelajaran (BPP). BPP has Portal Pusat Pengembangan Pembelajaran (P4) apps. However, the application of P4 seems not been maximized according to several stakeholders. Making applications easier. The modules that will be done are the admin module and production house (PH) module. Process on working the application must be accompanied by the right SDLC, for several reasons. The author uses the Extreme Programming method because this method has an iteration in each cycle. Very good for reducing errors from the start. The results obtained in the black box testing are 100%. You can be sure that the application can run smoothly.*

*Kata Kunci : Extreme Programming, BPP, Black Box Testing.*