ABSTRACT

Telkom University is a private educational institution located in Bandung, West Java, Indonesia. One of the research centers owned Telkom University is a Center of Excellence for Innovation and Science and Technology (PUI-PT) Intelligent Sensing IoT. The process of obtaining and documenting member research data PUI-PT has not been properly monitored and structured by staff research matters must be asked of each member who is carry out research one by one and input the required research data into Microsoft Excel, so that the Head of Research Affairs and PUI-PT Staff Difficulty in obtaining research data from each member. Platform design is carried out to monitor and document more integrated research activities at PUI-PT. Method used in this method is Rapid Application Development with stages requirements planning, system design, construction and cutover. For ensure that the design runs according to established standards and according to user needs, a verification stage will be carried out using the Black Box Testing method and using the validation process User Acceptance Test (UAT) method. The result of this final assignment is to produce a digital platform for monitoring and documentation of research activities and publications at PUI-PT. This platform can help PUI-PT's business processes in monitoring activities research in the form of data visualization in dashboards. It is hoped that this proposed digital platform will be able to resolve these obstacles emerge in the process of research monitoring and documentation. This system It is hoped that it can function as a tool for PUI-PT in monitoring research and publication activities.

*Keywords – **Monitoring, PUI-PT IS-IOT, Digital Platform, Rapid Application Development.***