

## **ABSTRACT**

### **DESIGN OF PARTNER AND FIELD MANAGEMENT SYSTEMS IN FUTSAL KUY APPLICATIONS USING ANDROID PLATFORM (CASE STUDY: TELKOM UNIVERSITY ENVIRONMENT)**

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*In the Telkom University area there are many places where futsal field providers require to make a field reservation first. Students will usually make a field reservation to play futsal. Providers of futsal fields will record data on customers who will rent futsal courts in accordance with the time and field that has been ordered by the community and students. The recording of customer data is still done manually using to fill in the data of customers who will make field reservations. This makes it difficult for field managers to know occupancy and regulate the availability of the field because they have to look for records. In addition, customers must come to the futsal place to find out the availability of the field or call first. The designer of partner management applications and Android-based Mitra Futsal Kuy applications is the solution offered. Partner management applications can be used by Futsal Kuy admin to manage Futsal Kuy partners and Mitra Futsal Kuy applications will be used by futsal field providers as partners to make arrangements for field availability and field information through the android application. This Mitra Futsal Kuy application will be connected with the Futsal Kuy application that is used by customers later to make online futsal field reservations. The design of the application uses the waterfall method where this method will help design partner management systems and application of Mitra Futsal Kuy in stages. Besides that, the implementation of this method is also easy to do in the application development. Admin Futsal Kuy application is expected to be used to manage futsal providers who want to join Futsal Kuy and for Mitra Futsal Kuy Applications it is expected to be used by field providers to organize and manage futsal fields and can receive orders easily through the application.*

*Keywords: futsal, partner, field provider, futsal reservation, waterfall*