

## ABSTRACT

### INTRODUCTION TO TRADITIONAL BALINESE MUSICAL INSTRUMENT BASED ON ANDROID

By:

**I Dewa Gede Suardana**

**1611010055**

Gamelan music has experienced many developments and a few modifications to some modern musical instruments. Nevertheless, traditional Balinese musical instruments are still very few. Generally, these regional musical players are elderly people at playing traditional Balinese instruments. The lack of knowledge and introduction to this regional music makes the younger generation less appreciative of their regional music. The method of this study used the Prototype method. The prototype method was an effective method for designing software. The prototype started with assembling the needs to be designed, rapid design, modeling, prototype creation, and delivery of the system to the user. Furthermore, by using use case diagrams and activity diagrams used to describe the application design. The result of this study was an application to help preserve traditional Balinese musical instruments in information and 3D visual objects. It was useful for teenagers and the general public who required to learn about traditional Balinese musical instruments. Based on trials, this application was able to run on Android-based smartphones from version 4.4 and above. The application distributed to the Google Play Store and it was easy to access.

**Keywords: Gamelan Music, Prototype, Balinese Traditional Musical Instrument**

