

ABSTRACT

Multimedia technology is currently developing very fast and applied also in the field of pharmacy. One of them is Augmented Reality technology. Augmented Reality (AR) is a technology of merging virtual objects (text, images, and animations) into the real world on this final project the application will display the electronics catalog of the drug. The E-Catalogue of generic drugs is electronic information that contains information about the drug.

On AR Technology This makes the application to display the drug information in the E-catalogue view. This application is designed with the purpose to facilitate the user to obtain information about a specific tablet drug, with the 3D view of the drug tablet makes it easy for users to see real tablet so it is interesting, and this AR application to complement K24 or Halodoc which presents info in the form of text and on this application users can find the necessary medicines on the site K24, Halodoc and search the nearest pharmacy around the user by pressing the maps button to go directly to Google Maps. In this final project using tablet drug because the syrup is difficult to use because it is liquid so it is less noticeable if it is used as a 3D object in this AR application. The use of drugs using tablets is aimed at obtaining the most excellent formulation of PGV-0 in the preparation of tablets. With the optimization of formulations can be obtained more patent and safe drugs.

After conducting a survey on the benefits of testing application by distributing a questionnaire to 20 users AR application obtained conclusions, many users agree that the application of AR to display drug information has the important benefits to provide information to the application users so as to facilitate the user to find the drug information tablets to be consumed. When the user opens the application and performs scan Marker will appear three-dimensional tablet drug objects on the screen of the Android Smartphone. Then there are menus to display the drug specific tablet information. In Augmented Reality application for E-catalogue of useful drugs know the information about the composition, the list of drug names, drug doses, drug indications, drug types, drug usage, and drug group tablets and sites K24, Halodoc, and maps.

Keywords: *Augmented Reality, E-Catalogue, Drug tablet, 3D Objects*