

ABSTRACT

The development of applications on smartphones today made huge progress. We can look at the fact that in a certain period of time there is a new application released, both the application from the owner of the platform and the developer. Currently in communicating via smartphone there are many ways that can be used, among others, Short Messaging Service (SMS) or Multimedia Messaging Service (MMS), voice calls, video calls, instant messaging, electronic mail, and there are many other ways to communicate . In this thesis emphasizes more on how to communicate in the form of instant messaging through an application that is favored due to a more efficient and practical than any other way of communicating that was mentioned earlier.

Therefore in this final project, designed a prototype system and messenger application that is used to send a message. This system will serve the sending and receiving of messages using the Internet as a communication line.

At the end of the design system and application will get an instant messenger application based on Windows Phone that can communicate data across platforms with similar application on Android Smartphone. The data in the form of texts and images (.jpg).

Keywords : data communication, instant messenger, Windows Phone