CHAPTER 6

CONCLUSION

6.0 Summary

As a summarization and conclusion to this project, the entire project can be considered a success even though the objective is not fully achieved. There is solution to improve the project result if more time is given. Bluetooth technology will change in 2 or 3 years and Bluetooth 2.0 will be surpassed by new generation of Bluetooth. This is great opportunity to work with Bluetooth connection because this brilliant technology brings a lot of knowledge and surprise.

From this project, the knowledge about Java programming is a gained. Even though the skill is still low, Java is versatile language to create an application for any platform. MySql is the famous database platform in the world. Gain of knowledge in this programming would be extra points to work in programming environment. Nowadays mobile technology is very important. An opportunity to design and develop an application for mobile is great because this technology is growing every day.

Because of lacks of skill in Java programming, this project is not very stable and not compatible to be commercialized. Not very stable means the running process of the system which decreasing after a long period. This happen because the scanning program will continuously scan for nearby device. But this project gives the brief demo and introduction to Bluetooth technology. Bluetooth is not only a technology to send and receive file from other devices or wire replacement technology. Bluetooth is the future wireless technology that growing fast forward.

6.1 Commercialization Potential

In the present day where market place has very strong competitive challenges, good and well organizes strategy which insures a steady approach to offer or deliver the product or service in a way that could outperform the competition is so critical. But in line with the approaching of marketing strategy, it must also enclose a well define regarding its methodology method as it could be used for the day when the process of implementing it is going to happen. Without this, it is like teaching a duck how to swim as it is no point at all to have a marketing strategy but lack of information either the resources or the capability in implementing it.

Now days, many big company or firms have achieved a success in high growth and extremely competitive markets. This is due to the marketing perception of building a business in the region of profitable fulfilment of customer needs. Therefore, in dealing with the current situation where the level and growth of economy has increased and by the existing of many competitors in which follow the same marketing concept, a well organized in creating marketing strategy is necessary required in order to achieve its goal and aim which is to commercialize the product to world wide.

The mission of this project is to design, develop, produce and also market a new generation of PA system used in the bus station. Inform departure and arriving of busses using Bluetooth provides many benefits to any bus station administrator or bus company to use new technology in their services. In today's era of sophisticated and well-developed structure, demands in this modern and high technology is important to society who fancies handful software in many kind of way which justified their need and requirement. This software can improve the management of journey by inform the passenger about the busses information to their mobile phone without any charge.

Therefore, among other mission on this project is to replace or trade places with the current technology. The important thing to commercialize this software is the advertisement of the services provide by this software. This project objective will not achieve if the services it not well known by the users. Simple advertisement like

giving the free installer when purchase the tickets or advertisement on the busses will help to make this software usage known by the users.

Current PA system in bus station needs manual operation to inform the passenger about their journey. By using this software, the operation to inform the passenger will totally automatic and effectives. Database in this software also provide a new way to transport company to manage their busses and journey information. This software also can be upgrade by adding the screen to display the busses journey to make this system more effectives.

Other objective of this project is to replace wires communication among the device and introduce the wireless communications. In this case is Bluetooth communication. Bluetooth communication is totally free and secures that any other wireless communication. Simple step to communicate using Bluetooth may become major advantage to user use this service.

CHAPTER 7

RECOMMENDATION FOR FUTURE PROJECT

A Java Bluetooth application has been completed and presented. But it still has room to improve for this project before it can be commercialize. This project certainly provides an excellent learning experience. The project has been carried out on a software development process. Although there are limitations of the Bluetooth technology, this project clearly demonstrated other usage of Bluetooth technology.

For future project, there will be few recommendations to improve and complete this project to make it stable and worthy buy software. The recommendations are;

I. Improve the client program on the phone to allow phone to receive the data from server. The client program also can be extended to other PC. This means the connection between client and server will be PC to PC connections. Main reason to make PC to PC connection is to create a similar PA system that already have in airport but the connection will using the Bluetooth connection.

II. Improve the range of Bluetooth, Even though the range can be extended using piconet network. The range from single device should be greater to beat other wireless technology and make user change to Bluetooth technology.

III. After developing the Bluetooth Bus Info, the next step is to connect Bluetooth device with GPS technology to allow Transport Company to monitor their busses using Bluetooth and GPS technology.