

## ABSTRACT

This system development project mentions about the Administration Information System of the Appeal Compensation Division in the Ministry of Transport and Communications. The Appeal Compensation Division is one of the government sections that take responsibility in helping people get fair compensation if their lands or building are surrendered to the government. The scope of this project is to improve the existing Administrative Information System of the Appeal Compensation Division. The existing function is performed manually and some computerized system, which causes slow performance, loss of information, and difficulty in finding information. The purpose of this project is to replace the existing system and find the best alternative solution of managing the inflow and outflow of documents by using the effective computerization. The existing business functions and data flow diagram are represented to make it easier to understand. The current problems, areas for improvement and user requirements are known by interviewing from the administrator in the Appeal Compensation Division. In the system design section, the data flow diagram of the proposed system is presented to solve the problems happening in the Administration Information System. The database is normalized to generate an effective database. The user-friendly input screen and output report is carefully designed for helping the administrator record all of the necessary information and generate an efficiency reports. After carefully selection, there are three alternative solutions involved in this project, and the best one is selected by using the feasibility analysis matrix. Net present value and pay back analysis is calculated to make it easier in decision-making. The proposed system uses MS. Windows NT in the server and uses MS. Access 2000 as the operating software in the PC client because it is easy to implement, understandable, familiar to the user and have

many applications supporting it. The description of hardware and software is also mentioned. The proposed system is tested to make sure that it works smoothly without any problems and covers all user requirements. The training is done for helping the administrators understand the proposed system so they can generate an effective performance. By this way, the Appeal Compensation Division can present the new system, which develops its organization structure and resources management in order to achieve the highest efficiency and effectiveness.

