

ABSTRACTION

Absence or calculation of Student attendance in lecturing process is one of supporting process which is have an important part at Sekolah Tinggi Teknologi Telkom (STT Telkom).This matter is because of the data of the student attendance is very required by various part , such as by the element in STT TELKOM it self and also parent of the students. In this time the absences process still be done in manual way, where is the student have to sign absences form and later will be input to information system of absence. At the time the data be input need an operator and enabled happened the input mistake by operator. There for, at this final duty designed a system of checking of student attendance by using barcode as a input. Used Barcode is barcode which in this time already exist at the student ID card of STT Telkom which is used for borrowing book process in Library unit.

In designing system of the student absences, the trouble shooting will done in five phase. There are: earlier study, initialisation process, creative process, testing and analyse process, and phase of conclusion and suggestion. At the earlier study process, the problem faced by system in this moment is formulated, and target determination want to be reached, and also the problem demarcation in order to scope of research not to wide. Initiation phase is done by study of literature and also field study. The next phase is creative process. This phase is done by system scheme according to target. This phase done by make a database and program to process the data which already inputed. To know that designing program is already in line with the target, so after the creative phase is done, the examination phase and analyze of output yielded by system is performed. The last phase is taking of conclusion from system analyze and suggestion which can be given for the next research.

Scheme of system is begin by observing process of business from existing system absences. From that observation, the lacking analysis which is found on existing system will be done, such as, input of student attendance data still done in manual way, so possibly mistake be happen at the time of input. Based on those lacking, determining of how scheme of proposal system which can repair existing system. The making of program and data bases is done by using appliance assist such as context diagram, data flow diagram, specification process, and data dictionary. After scheming the system, an examination will be done to know whether the program have running as according to the scenario that already made before to later to be analyzed. In this system, time is taking an important part, so a time measurement required by the system process input from student when process absences is done.

Conclusion which can be taken from the making of checking of student attendance system by using barcode that this system is no longer need any operator to input any data of student attendance, because all data is directly input on the same time when the student scanning their student college card so the required time for checking student absences is quiet shorter. This system also can release a requiring output such as detail data about each student attendance, attendance data of student in every class, detail of student attendance, and detail data of student attendance.

Keywords: Barcode, Absences, Informasi Sistem