ABSTRACT

TRAFFIC LIGHT CONTROLING SOFTWARE AND USING OF CCTV (CLOSE CIRCUIT TELEVISION) CAMERA AS-MONITORING

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Communications department of Subang regency has main duty, one of them is arrange the traffic straighten up on an intersection with available traffic light facility to control the traffic flow on each internode. Traffic light controlled system which is use in communications department of Subang regency can't be operated directly by employee of department of Subang regency. From the result of research which done by doing interview with the employee of communications department of Subang regency need a traffic light controlled system which can't be operated directly by the employee of communication department of Subang regency. The traffic light controlled make the duty of communication department of Subang regency easier with using computerization system and to make the monitoring of road condition on intersection we need CCTV (Close Circuit Television) camera.

Computer system of traffic light controlled which suggest is use port parallel computer as interface and use digital switch (electric) as added hardware. To arrange the changing the traffic light, the employee of communication Department of Subang regency just give postpone time value which is saved in a database so, it can make employee of communication Department of Subang regency easier in arranging time for changing the traffic light to choose intersection will be change of the value easier, then geography information system gived for research methodology of software use waterfall method, for the data model use structural method that is Enity Relationship Diagram (ERD) draw the model of data and Flow Data Diagram (DF) to draw the fungsionil model.

Key word : Traffic light controlled system use port parallel computer as monitoring use CCTV camera.