

PEMANTAUAN RUANGAN PADA SAAT TERTENTU BERBASIS TEKNOLOGI SMS DAN MMS

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ABSTRAK

Informasi adalah salah satu kebutuhan manusia yang sangat penting pada zaman ini. Semua kegiatan memerlukan informasi, dan bisa juga dikatakan bahwa semua kegiatan dituntut untuk menghasilkan informasi.

Aplikasi Pemantau Ruang adalah sebuah aplikasi yang berfungsi untuk memantau ruangan pada saat tertentu berbasis teknologi *Short Messaging Service (SMS)* dan *Multimedia Messaging Service (MMS)*. Dalam proses pemantauan, aplikasi pemantau ruangan merekam video melalui *webcam* berdasarkan perintah melalui SMS, yang kemudian dikonversi kedalam bentuk *windows media video (wmv)* dan kemudian file video ini dikirimkan melalui MMS. Aplikasi ini menggunakan beberapa *device* untuk mendukung pendistribusian data, yaitu *Personal Digital Assistant (PDA)*, *computer*, dan *ponsel* yang memiliki fasilitas *MMS*.

Aplikasi pemantau ruangan ini telah diuji coba dan berhasil memantau keadaan suatu ruangan pada saat tertentu sesuai dengan perancangan .

Kata Kunci : Pemantauan, SMS, MMS, *Webcam*, PDA, *Phone Cell*

ROOM MONITORING IN THE DEFINITE TIMES BASED ON SMS AND MMS TECHNOLOGY

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ABSTRACT

Today, information is a kind of the most important humans necessary. Every kind of activity requiring an information, and also it can be said that all activities are required to produce information.

Room Monitoring application is an application that has function to observe the room based on Short Messaging Service (SMS) and Multimedia Messaging Service (MMS). Room Monitoring application recording video through webcam which ordered by SMS command, then converting it into Windows Media Video (WMV) file, finally this video file sent to client by MMS. The application using several devices for supporting the distribution of the data, which is Personal Digital Assistant (PDA), computer, and phone cell which has MMS ability.

This room monitoring application have been successfully testing and be able to monitoring the condition of a room in the definite times according to the design.

Keywords : Monitoring, SMS, MMS, Webcam, PDA, Phone Cell

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