

Telekardiologi menggunakan komunikasi Bluetooth

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Abstrak

High mortality in Indonesia, caused by acute coronary syndrome, has reached 26 %. In 10 years, National housing health survey or Survei Kesehatan Rumah Tangga Nasional (SKRTN), under health departement of Republic of Indonesia, stated mortality which is caused by acute coronary syndrome has increased enourmously. It can be avoided by doing early acute coronary syndrome detection like ECG recording. Anyway, some those patients rarely do ECG recording because of expenses and time. By using Bluetooth feature on PDA (Personal Digital Assistant) or a Bluetooth dongle on computer, a Telecardiology can be done anywhere and anytime so that coronary syndrome can be detected earlier by medics. Telecardiology research used a microcontroler, a computer and a PDA to record ECG signals. ECG recording is taken in real-time then stored in computer or PDA data base. To detec QRS waves in ECG signals, PanTompkins were used.