

Telemetric Automatic Weather Station (AWS)

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Telemetric Automatic Weather Station (AWS) atau Stasiun Cuaca Otomatis Telemetri merupakan alat yang berfungsi untuk merekam data cuaca. Perekaman dilakukan terhadap data sesaat (interval 6-59 menit), data setiap jam, dan data rata-rata tiap hari. Pengiriman data dilakukan secara periodik melalui SMS dan selanjutnya disimpan pada pusat pengolahan data. Media komunikasi menggunakan paket GSM berupa sensor cuaca digital, *data logger* dan GSM modem, *power manajemen*, dan *panel wiring support*. Teknologi AWS dapat merekam data secara efisien dan praktis, berpotensi dikembangkan secara komersial.

Alat ini juga dapat dimanfaatkan oleh Pemda, Direktorat Teknis, Pengelola DAS dalam rangka perekaman data iklim suatu wilayah secara cepat, akurat, dan sesaat.

The *Telemetric Automatic Weather Station (AWS)* is a tool that serves to record weather data. Data recording is done for a moment (6-59 min interval) at every hour. The data are sent periodically via SMS and then stored in the processing center. This communication is facilitated by using a package of GSM digital weather sensors, data logger and GSM modem, power management, and support wiring panel. The AWS can record data in an efficient and practical way. It has potential to be developed commercially.

This tool can be used by the Central and Local Government, watershed projects in order to record climate data quickly, accurately, and timely.