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T3.1-P06. Development of JISView: System to Determine Earthquake Parameters and Focal Mechanism

Development of JISView, the earthquake monitoring system has been done in Research and Development Center of Indonesia Meteorological, Climatological and Geophysics Agency (BMKG) to support operations on earthquake monitoring and analysis. Stages of the research study initiated in software development, AMZTAK to determine of earthquake focal mechanisms. System development include the processing of data in a single workflow system and conduct for the automation system and then building a system that can give information of earthquake parameters and focal mechanisms. JISView system is a program portable as media processing, that can be installed anywhere. Making interfaces done in order to operate with the Windows Operating System that makes JISView user friendly. Input data is able to using public networks (Internet) Arclink and Seedlink either. After processing the waveform data input will produce earthquakes parameters and focal mechanisms information. The modules in JISView has been designed to perform automatic processing in real-time data and waveform database of earthquake monitoring network. Coverage access for real – time is 1748 censor/seismic stations, consist of 163 BMKG's station, 339 IRIS's station and 1246 GFZ's station. The outcome of the system can be used as a dissemination material of earthquake parameter information for the public.

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