ABSTRACT

The disturbance can influence to the transient stability, it represent the reliability of system to keep the synchronous condition. The transient stability also depends on power transmission line and tie bus, that was interconnected to the closer system, including with power station characteristic, such as spin inertia on shaft. The problem of power system stability relate to blackout condition such in Malang, this will cause the outage on all system supply. Its means the disturbance must be repair and recovering. According to the result of research, shown that hostload operation at power station will influence to voltage on every bus, but the bus that at long distance did not feel it, it just become to the closer bus. The voltage changing Wlingi and sutami ± 1 kV or 1.000 volt.

Keywords: stability, generator, drop, hostload