

## Seasonal and interannual variations of general circulation of the atmosphere in the western equatorial Pacific

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Seasonal and interannual variations of tropospheric wind have been observed by BLR in Serpong near Jakarta, and operational rawinsondes data at 11 stations over Indonesia. In the upper troposphere, annual oscillations of meridional winds are observed with southerly (northerly) during northern winter (summer) owing to shift of a Hadley-like circulation. On the other hand, semiannual oscillations of zonal wind are observed, which has easterly maxima in Jan-Feb and Jul-Aug, which is generally explained by conservation of angular momentum for air mass transport toward the equator by shift of Hadley circulation. In addition, results of temperature and NCEP rawinsonde data analysis will be presented.