

Seasonal change of general meteorological factors in the North Borneo, East Malaysia

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Seasonal change of general meteorological factors in the North Borneo (the state of Sabah and Sarawak in Malaysia) were examined using data measured by the Malaysian Meteorological Service (MMS) in the 10 stations for the past 51 years. Seasonal change of temperature, humidity, precipitation, wind speed, wind direction, solar radiation and pan evaporation were obvious in this region, especially precipitation. Previous studies tended to have a perception that this region has no clear seasonal change of general meteorological factors because the amplitude of the seasonal fluctuation in this region is smaller than the amplitude of seasonal fluctuation in the temperate region or the amplitude of diurnal fluctuation in the tropics. Long-term precipitation data showed that there are no three consecutive months that have less than 100 mm monthly rainfall, and this is the reason why this region was considered to be a region with no seasonal precipitation change despite of the obvious seasonal change shown in this paper.

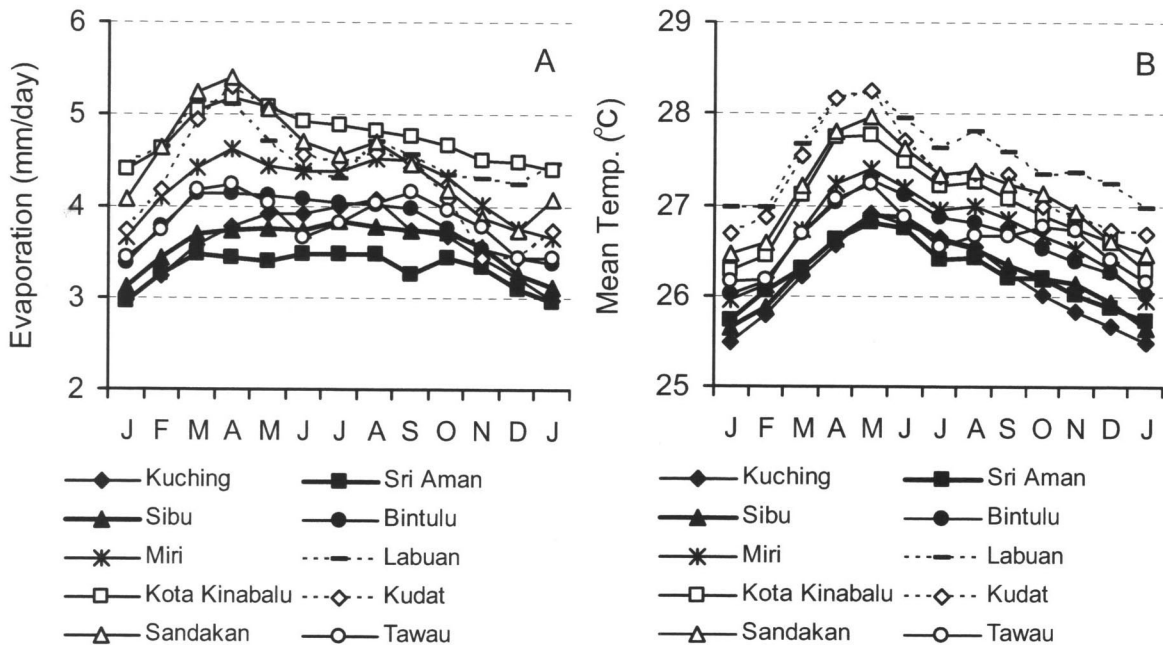


Fig. 1 Seasonal variation in temperature (A) and pan evaporation (B) in the North Borneo