

# **The empirical evidence of Sun's signal on temperature and cloud cover over Indonesia based on their climate pattern**

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We had analyzed the Sun's trace on temperature and cloud cover over Indonesia by dividing the analyzed region in Indonesia based on their climate pattern, i.e monsoon, equatorial, and local pattern. By using the Weighted Wavelet Z-Transform (WWZ) methods for spectral analysis purpose, we find that the sun's signal about 11 years appears mainly over region during dry season (June-August). We also obtain the good curve correlation between the solar cycle length with filtered 1-2-2-2-1 and the land air temperature at some location in Indonesia, especially before 1980's.