

# Suhu permukaan daratan Kota Palembang, Sumatera Selatan tahun 2001 dan 2014 = Land surface temperature in Palembang, South Sumatera on 2001 and 2014 / Muhammad Hafiz Wahfiuddin

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## Abstrak

[Perkembangan kota-kota besar di Indonesia terus berlangsung dalam sepuluh tahun terakhir. Salah satunya adalah Kota Palembang. Dengan banyaknya ajang olahraga internasional turut membantu percepatan pembangunan disana. Pembangunan yang gencar ikut merubah tutupan lahan yang juga berdampak pada perubahan iklim, yaitu kenaikan suhu permukaan daratan. Maka pola perubahan suhu permukaan daratan yang dipengaruhi oleh tutupan lahan menjadi topik yang diteliti. Data yang digunakan adalah Citra Landsat 7 ETM+ di tahun 2001 dan 2014. Indeks vegetasi NDVI dan Indeks bangunan NDBI digunakan untuk melihat kerapatan vegetasi dan bangunan dari citra satelit. Hasil yang didapat adalah pola perubahan tutupan lahan yang menjalar linear dari tenggara menuju barat laut juga membuat suhu permukaan daratan lebih tinggi di tahun 2014 dibandingkan tahun 2001. Hasil ini didukung oleh uji statistik yang juga menunjukkan bahwa semakin tinggi kerapatan bangunan, semakin tinggi pula suhu permukaan daratannya. Dan semakin tinggi kerapatan vegetasi, maka semakin rendah suhu permukaan daratannya.

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