

**ABSTRAK**  
**KAJIAN WILAYAH POTENSI PENYEBARAN COVID-19**  
**MENGGUNAKAN PENDEKATAN ANALITIK**  
**DENGAN ELLIPS KESALAHAN**  
**(Studi Kasus: Kecamatan Sukarame)**

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Kecamatan Sukarame merupakan kecamatan yang mempunyai kasus terkonfirmasi positif Covid-19 sebanyak 1024 kasus selama tahun 2019-2021. Pemetaan persebaran Covid-19 harus tersedia guna terciptanya mitigasi bencana yang cepat tanggap. Oleh karena itu perlu dilakukan kajian tentang potensi penyebaran Covid-19 di Kecamatan Sukarame. Penelitian ini bertujuan untuk: 1) Mengidentifikasi titik pusat persebaran dan daerah berpotensi Covid-19, 2) Menganalisis arah penyebaran Covid-19 dengan pendekatan analitik.

Penelitian ini dilakukan dengan pendekatan analitik elips kesalahan yang digunakan untuk analisis distribusi atau penyebaran masyarakat terpapar Covid-19 yang berada di Kecamatan Sukarame Kota Bandarlampung. Pola distribusi atau penyebaran Covid-19 secara spasial (lokasi) dianalisis menggunakan elipsoida kesalahan dari hasil standar deviasi jarak penderita ke pusat lokasi sebaran tinggi untuk memahami arah penyebaran dari Covid-19.

Berdasarkan hasil analisis terlihat pola penyebaran Covid-19 secara menyeluruh dan memiliki pergerakan ke arah Selatan Kecamatan Sukarame. Penyebaran ini menyebar dari Kelurahan Way Dadi menuju Kelurahan Sukarame.

**Kata kunci:** Elips Kesalahan, Covid-19, Potensi Penyebaran, Sukarame

**ABSTRACT**  
**AREA ASSESSMENT OF THE POTENTIAL SPREAD OF COVID-19**  
**USING AN ANALYTICS APPROACH**  
**WITH ELLIPTICAL ERRORS**  
**(Case Study: Sukarame District)**

**By**  
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Sukarame District is a sub-district that has 1024 positive confirmed cases of Covid-19 during 2019-2021. Mapping the spread of Covid-19 must be available to create disaster mitigation that is responsive quickly. Therefore, it is necessary to conduct a study on the potential spread of Covid-19 in Sukarame District. This study aims to: 1) Identify the center of distribution and potential areas of Covid-19, 2) Analyze the direction of spread of Covid-19 with an analytical approach.

This research was conducted with an elliptical error analytical approach used to analyze the distribution or spread of people exposed to Covid-19 in Sukarame District, Bandarlampung City. The spatial distribution or spread pattern of Covid-19 (location) was analyzed using an error ellipsoid from the standard deviation results of the patient's distance to the center of the high distribution location to understand the direction of spread of Covid-19.

Based on the results of the analysis, it can be seen that the pattern of Covid-19 spread as a whole and has a movement towards the South of Sukarame District. This spread spread from Way Dadi Village to Sukarame Village.

**Keywords:** Elliptical Error, Covid-19, Potential Spread, Sukarame