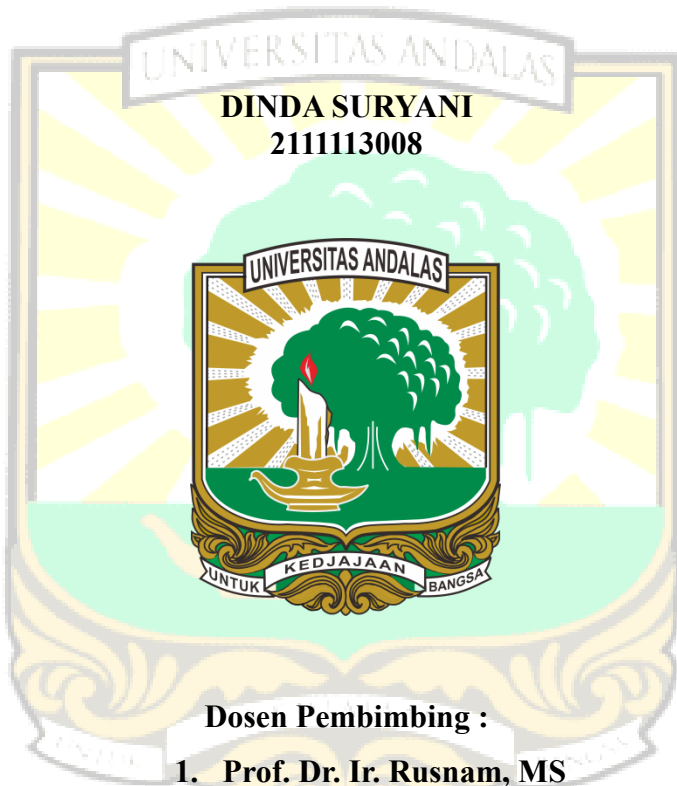


**TINGKAT KERAWANAN BANJIR DI
KECAMATAN BATANG ANAI KABUPATEN
PADANG PARIAMAN**



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TINGKAT KERAWANAN BANJIR DI KECAMATAN BATANG ANAI KABUPATEN PADANG PARIAMAN

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ABSTRAK

Banjir terjadi ketika air menggenangi suatu wilayah akibat hujan yang turun secara terus menerus, yang menyebabkan peningkatan debit air sungai dan drainase hingga meluap karena kapasitas tampungnya terlampaui. Kecamatan Batang Anai memiliki curah hujan yang tinggi sebesar >3000 mm/tahun. Tujuan dari penelitian ini yaitu pemetaan Tingkat kerawanan banjir dengan metode skoring di Kecamatan Batang Anai, Kabupaten Padang Pariaman, Sumatra Barat. Analisis kerawanan banjir di Kecamatan Batang Anai dilakukan dengan memberikan skor pada tiap parameter. Parameter-parameter diantaranya yaitu curah hujan, kelerengan, penggunaan lahan, jenis tanah, elevasi dan *buffer* sungai. Pembobotan diperoleh dari penelitian terdahulu dan diakumulasikan dengan skor masing-masing parameter. Hasil penelitian menunjukkan kategori banjir kurang rawan seluas 4408.31 Ha (33.18%), kategori cukup rawan seluas 7872.14 Ha (59.24%), kategori rawan seluas 919.33 Ha (6.92%) dan kategori sangat rawan seluas 87.86 Ha (0.66%). Berdasarkan hasil analisis, wilayah Kecamatan Batang Anai termasuk dalam kategori cukup rawan banjir dengan luas mencapai 7872.14 Ha atau sekitar 59.24% dari total luas wilayah 13.364,26 Ha.

Kata Kunci : *Metode skoring, Banjir, Kerawanan Banjir*

THE LEVEL OF FLOOD VULNERABILITY IN BATANG ANAI DISTRICT, PADANG PARIAMAN REGENCY

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ABSTRACT

Flooding occurs when water inundates an area due to continuous rain, which causes an increase in river water discharge and drainage until it overflows because its carrying capacity is exceeded. Batang Anai District has a high rainfall of >3000 mm/year. The purpose of this study is to map the level of flood vulnerability using the scoring method in Batang Anai District, Padang Pariaman Regency, West Sumatra. The analysis of flood vulnerability in Batang Anai District was carried out by giving a score to each parameter. The parameters include rainfall, slope, land use, soil type, elevation and river *buffer*. The weighting was obtained from previous research and accumulated with the score of each parameter. The results of the study showed that the flood category was less vulnerable covering an area of 4408.31 Ha (33.18%), the category of being quite vulnerable covering an area of 7872.14 Ha (59.24%) the vulnerable category covering an area of 919.33 Ha (6.92%) and the very vulnerable category covering an area of 87.86 Ha (0.66%). Based on the analysis results, the Batang Anai sub-district is categorized as fairly prone to flooding, with an area of 7872.14 hectares or about 59.24% of the total area of 13.364,26 hectares.

Keywords: *Scoring method, Flood, Flood Vulnerability*