

## ABSTRAK

NAZALA ZEAN ZULFAH. 2026. **Evaluasi Keberadaan dan Pola Sebaran Tempat Penampungan Sementara (TPS) Sampah Menggunakan Sistem Informasi Geografis (SIG) di Kecamatan Pataruman Kota Banjar.** Jurusan Pendidikan Geografi. Fakultas Keguruan dan Ilmu Pendidikan. Universitas Siliwangi.

Penelitian ini didasari dengan permasalahan lingkungan yaitu pertumbuhan penduduk yang semakin bertambah namun fasilitas TPS Sampah tidak sesuai dengan kebutuhan dan perkembangan wilayah. Penelitian ini bertujuan untuk menganalisis dan mengevaluasi kondisi keberadaan TPS Sampah, pola sebaran, dan menentukan rekomendasi lokasi TPS Sampah di Kecamatan Pataruman Kota Banjar. Metode yang digunakan adalah metode deskriptif kuantitatif dengan objek penelitian TPS Sampah di Kecamatan Pataruman Kota Banjar. Teknik analisis data menggunakan analisis kondisi keberadaan TPS Sampah, analisis tetangga terdekat, *skoring*, *overlay*, dan *buffering*. Hasil penelitian menunjukkan kondisi keberadaan TPS Sampah di Kecamatan Pataruman belum sesuai dari aspek lokasi, kapasitas, keterjangkauan, partisipasi masyarakat, sosialisasi dan informasi. Hasil analisis pola sebaran TPS Sampah menggunakan analisis tetangga terdekat memperoleh nilai *z-score* 1,47 menunjukkan kecenderungan *dispersed* (teratur). Rekomendasi lokasi TPS Sampah berfokus pada desa yang belum memiliki TPS Sampah dengan analisis *skoring*, *overlay*, dan *buffering*. Penentuan rekomendasi lokasi TPS Sampah disesuaikan dengan kriteria lokasi berjarak >100m dari jalan, sungai, pemukiman, berada pada lahan tidak terbangun atau lahan kosong, kemiringan lereng 0-15%, dan luas area >250m<sup>2</sup>. Hasil analisis menghasilkan rekomendasi lokasi TPS Sampah yang tersebar di empat desa yang belum memiliki TPS Sampah yaitu desa Batulawang, Karyamukti, Sinartanjung, dan Sukamukti.

**Kata Kunci:** Evaluasi, Tempat Penampungan Sementara Sampah, dan Sistem Informasi Geografi

### **ABSTRACT**

NAZALA ZEAN ZULFAH. 2026. *Evaluation of the Existence and Distribution Patterns of Temporary Waste Storage Sites Using a Geographic Information System (GIS) in the Pataruman District of Banjar City*. Department of Geography Education. Faculty of Teacher Training and Education. Siliwangi University.

*This study is based on environmental issues, namely population growth that continues to increase, but temporary waste storage facilities are not in line with the needs and development of the region. This study aims to analyze and evaluate the condition of temporary waste storage sites, distribution patterns, and determine recommendations for temporary waste storage site locations in Pataruman District, Banjar City. The method used is a quantitative descriptive method with the object of study being temporary waste storage sites in Pataruman District, Banjar City. Data analysis techniques used include analysis of the condition of waste storage facilities, analysis of the nearest neighbors, scoring, overlay, and buffering. The results of the study show that the condition of temporary waste storage sites in Pataruman Subdistrict is not yet adequate in terms of location, capacity, accessibility, community participation, socialization, and information. The analysis of the distribution pattern of Temporary Waste Storage Sites using the nearest neighbor analysis obtained a z-score of 1.47, indicating a dispersed (regular) trend. Recommendations for the location of Temporary Waste Storage Sites focus on villages that do not yet have Temporary Waste Storage Sites using scoring, overlay, and buffering analyses. The determination of recommended locations for temporary waste storage sites is adjusted to the criteria of being located >100m from roads, rivers, and residential areas, being on undeveloped or vacant land, having a slope of 0-15%, and having an area >250m<sup>2</sup>. The analysis results produced recommendations for Temporary Waste Storage Site locations spread across four villages that do not yet have Temporary Waste Storage Sites, namely Batulawang, Karyamukti, Sinartanjung, and Sukamukti villages.*

**Keywords:** *Evaluation, Temporary Waste Storage Sites, and Geographic Information Systems*