THE FACILITY DISTRIBUTION CONCEPT OF ELEMENTARY SCHOOL BASED ON SETLEMENT SPREAD PATTERN IN GRESIK REGENCY

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Abstract

The lack of student number problems in elementary schools Gresik sub-province indicated by the distribution of education facilities service un-equals with the regional characteristic of Gresik regency and its needs. The main objective of this research is formulates distribution concept of education facilities based on settlement spread pattern and the balance between regional requirement and availability of educational facility in Gresik regency.

Nearest neighbour analysis used to classify regions based on settlement spread characteristic, dependency analysis (Ordinary least square) to identify factors that influence the distribution of educational facilities. Hereinafter, educational facilities requirement analysis depend on significantly influence factor used to know the balance between existing educational facilities and the number of educational facilities are needed, finally distribution concept of educational facilities elementary school specifically based on settlement spread pattern characteristic on study region Gresik regency got by triangulation analysis.

The research result shows that Gresik districts have two settlement spread pattern (clustered and random pattern), dependency analysis shows factors that significantly influence the distribution of educational facilities is the number of villages and the number of population. Meanwhile based on educational facilities requirement analysis known that in most of village as study region have excess condition. The ideal serve distribution concept of education facility in this research area detailed as follows: 1). Distribution concept of education facilities based on settlement spread pattern can holds school normative area; 2) Availability of education facilities balanced with the number of educational facilities are needed; 3) Capacity optimization of education facility based on it's optimal capacities and beyond regional requirements.

Keywords: Elementary school, Facility distribution, Nearest neighbour analysis, Setlement spread pattern.