Abstract

Gas station distribution locations in the city of Surabaya, West Surabaya area in particular, are still experiencing shortages in meeting the needs of the costumer. Based on studies conducted Surabaya have as many as 104 gas station, while theoretically client requirement is 127 units. In West Surabaya itself has 18 retail outlets, but that does not operate one gas station consumer needs theoretical minimum is 20 gas station. This study aims to provide direction to control the spread of the centralized distribution of gas station in the main street area / region is crowded course and to see whether the distribution is already adequately represent the distribution of consumers. First step of analysis is regression analysis and AHP factors affecting the location of gas stations, a second overlay analysis to determine the distribution of petrol stations where only the location, direction of spread of the Third formulate gas station locations.

From the research result, the average gas station in the West-Surabaya Scattered along the main road west of Surabaya. And the end result in mind that the corridor overlay in The Village Made, Sambi Kerep, Asem Rowo, Lontar, Bringin, Babat Jerawat, Pakal, Benowo, Romo
Kalisari, dan Tambak Oso Wilangun were very potential locations for the gas station.

Key words: location, gas stations, distribution.