

Research Title	Application of geo-informatics technology to analyze distribution patterns of Convenience stores open 24 hours in Buriram municipality, Muang district, Buriram province
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ABSTRACT

This research aims to study the distribution pattern and find the relationship between distribution and location theory of 24-hour convenience stores in Buriram municipality, Buriram province. The researcher has set up the location of convenience stores opened 24 hours by using GPS and retrieve coordinates from the position map to Arc map program that helps in analyzing distribution patterns. Researcher determine the relationship between the distribution and the location theory to determine the consistency of the location. According to the theory, the factors that relate to the location are educational institutions, entertainment, government office, dormitory, department store, gas station, by making a buffer or bumper and dividing the distance into 4 ranges, consisting of 100 meters, 200 meters, 300 meters and 400 meters, to see the distance of shops, convenience stores, open 24 hours. The study found that the distribution of 24-hour convenience stores was randomly distributed and locations where location-based relations were located. The convenience stores are open 24 hours, is the number one dormitories because economic growth and most of the people who want to come to the occupation, it is necessary to rent a residence, which is a dormitory in Buriram municipality has many dormitories scattered throughout the area. At the same time, educational institutions, entertainment venues, government offices and gas station has the same relationship, which attracts many customers and is always available, allowing 24-hour convenience stores to disperse at these locations. With a convenient, easy access route and secure location, 24-hour convenience stores in Buriram municipality, do not suffer losses. The study concluded that the distribution of convenience stores opened 24 hours in Buriram municipality, Amphoe Mueang, Buriram province, is according to the theory of factors related to the location because in 100 meters the distribution of convenience stores opened 24 hours distribution all location.

Keywords : Spatial Distribution, Geographic Information System, 24-hour convenience store