ABSTRACT

APPLICATION OF K-MEANS CLUSTERING METHOD FOR MOBILE-BASED BLT (DIRECT CASH ASSISTANCE) ELIGIBILITY DETERMINATION

By

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Cluster analysis is a statistical technique aimed at grouping objects or variables into certain groups where each object or variable form has adjacent properties and characteristics. One type of cluster is a k-means clustering algorithm which is an attempted non-hierarchical clustering partition of existing data into the form of one or more clusters/groups. This method used to group several groups according to priority criteria acceptance of the Direct Cash Assistance (BLT) program for Poor and Direct Assistance Cash (BLT) for MSMEs in Rama Indra Village, Seputih Raman sub-district, Central Lampung District, Lampung Province. The problem that often occurs is an error during distribution or the receiver is not targeted because the village government finds it difficult to carry out or select the family groups that will receive the assistance, thus causing families who need assistance not to receive their rights. Therefore, this method is needed to make it easier to grouping the the poor families who will receive assistance so that distribution can be right on target.

Keywords *: Data Mining, K-means Algorithm, Cluster, BLT Program, BLT Social Assistance.*