

ABSTRACT

IMPLEMENTATION OF K-MEANS ALGORITHM FOR CLUSTERING ON COVID-19 VACCINATION RECIPIENTS IN JOMBANG REGIONAL PUSKESMAS

By

SHOFIAN MUFTI ARDATAMA

1202184134

Since the beginning of 2020, Indonesia has been one of the countries that have cases of the COVID-19 virus with a very fast rate of spread. The COVID-19 virus is an infectious disease that occurs due to an attack by a virus called the Corona Virus, the coronavirus is a group of viruses that infect the respiratory system. The COVID-19 pandemic is a new event experienced by all Indonesian people and also the world. This pandemic appears with new patterns and problems that affect human social behavior as individuals and society. With the COVID-19 disease, the Indonesian Government plans to carry out vaccination activities for COVID-19. Vaccination is the most successful way of public health intervention that can be done to stop outbreaks of infectious diseases. However, because there are many doubts about the use of vaccines that continue to grow, many people do not carry out vaccination activities. Therefore, it is necessary to analyze the data on vaccination achievement in the community, especially in the Jombang Regency area. This study uses the K-Means algorithm for clustering vaccination achievement data in the Jombang Regency.

Keywords: COVID-19, Vaccination, K-Means, Clustering