

ABSTRACT

Stunting is one of the growth failures in children due to inadequate nutritional nutrition that lasts for a long time. From the data obtained from January to October in 2020 which was taken from the Pitu Health Center UPT located in Ngawi Regency. From this data, a classification will be carried out using machine learning to determine stunting predictions and is expected to be a solution for preventing stunting cases.

Determination of the algorithm in this final project using the algorithm K-Nearest Neighbors which is used to determine stunting prediction results based on the parameters used in the dataset. The system built shows the accuracy obtained by 97% based on data partition testing using a confusion matrix using 90% data partitioning data training and 10% data testing with the nearest neighbor $k=5$.

Keywords: *K-Nearest Neighbors, Machine Learning, Stunting.*