

ABSTRACT

Production is an activity in the process of producing or adding to a product. Business actors are mostly carried out by the lower middle class. One of them is the Prosperous UMKM which produces giant prawns taken from the river as a product. The problem that occurs is the amount of production is greater than demand while the remaining stock is still a lot, so there is often a build up of products because they are not sold. This research provides a solution for Prosperous UMKM to determining giant prawn production, the method used is fuzzy mamdani. Fuzzy mamdani is often known as the max-min or max-product method which looks for the smallest data during the period and the largest as a reference. by using the input variable, namely the remaining stock in the previous month and requests submitted for the following month, while the output variable is the amount of production carried out by Prosperous UMKM. This research creates a web-based application that can be used by Prosperous UMKM owners to determine giant prawn production. The results of this study are able to help and facilitate Prosperous UMKM in determining shrimp production because it produces an exact figure of how much to produce.

Key word : Digitizing Maritime Products,Fuzzy Logic, shrimp