

ABSTRACT

Micro Small and Medium Enterprises (SMEs) Nopia mino is one of the businesses in Banyumas Regency that produces Nopia mino. The general problem that often arises in this business is the frequent occurrence of product returns which cause losses because the product is not sold out. This study aims to identify the appropriate production planning methods used in nopia mino SMEs. The research begins with collecting demand data and supporting data such as the number of workers, number of working days and hours, prices of raw materials, sales prices and labor costs and continues with analysis using forecasting methods, aggregate planning and the Master Production Schedule. The research results obtained are that the best method for forecasting is the Moving Average with MAPE 2,592 and the results of aggregate planning using a level strategy at a cost of Idr. 269,073,000. The results of the MPS production plan show that the total monthly production plan is 637 kg consisting of 5 flavors.

Keywords: Production Planning, Forecasting, Aggregate Planning, MPS