Dynamic System Modeling Rice Production in CV. Lahan Mas District Sukowono Jember

Tutik Wulandari
Agroindustry Managemen Study Program
Agribusiness Management Department

ABSTRACT

In this research, determination location of this research is done deliberately (purposive) that is in District Sukosari Jember. Samples taken in CV. Lahan Mas. Based on expert system the research was used analyze system to formulate problems and took decision by alternative thinking, those doing interview with five expert people and for the formed result used approaching system combining with software powersim constructor version 2.51. The result of this research are (a) factors affecting the production of rice District Sukosari Jember include: raw material capacity, processing, company revenues and production costs; b) Based on the results of research in the application moderate scenario and optimistic scenario, production of rice in CV. Lahan Mas District Sukowono Jember has result including: From moderate scenario the projection company revenue is Rp. 8.404.616.279,- in 2016 and Rp. 6.947.529.032 in 2020. From optimistic scenario the projection company revenue is Rp. 10.159.548.522,- in 2016 and Rp. 10.206.257.521,- in 2020.

Keywords: dynamic system modeling, rice production, expert systems.