DETERMINATION OF THE LOCATION OF MILK-FISH PROCESSING INDUSTRY IN THE SIDOARJO REGENCY

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Abstract

Sidoarjo regency has a great potency toward developing pond fisheries. The RTRW (regional spatial plan) of Sidoarjo Regency defines of planning fisheries agropolitan sector, including the development of fish processing industries. However, the RTRW hasn’t determined the location of the fish processing industries, including the required location specification of it.

This study determines the location of milk-fish processing industries according to the related determining factors (raw material, infrastructure, market location, related spatial plan, supporting facilities, labor, and soil physical). Then with due observance of the seven factors, this study performs codification of land capability, analysis of raw materials producing process with LQ and the continuity for each district, weighting factor analysis with the AHP method (Analytical Hierarchy Process) and analysis of industrial location determination through model builder method analysis in weighted overlay using DSS of GIS 9.3 with the input of the weighting value that has been done before. The result of the entire analysis indicates Waru as the appropriate district for the location of milk-fish processing industries location in the Sidoarjo Regency. District of Waru in Sidoarjo regency is potential to be developed as milk-fish processing industrial. This refers to the location predominance from continuity of needed raw material as of fishponds center in Sidoarjo regency, and also supported by the numbers of existing fish auction place (Tempat Pelelangan Ikan), strategic accessibility from inside or outside the region, and policy from RTRW in which focusing small-medium industry in the district of Waru.
Key words: location determination, fish processing industry, agropolitan.