Determination of Effective Criteria for Location Selection of Kiln Wood Drying Plants by AHP Technique

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Abstract

This study was aimed at determining the effective criteria for location selection of wood drying plants in Iran. For this purpose, after review and field visit of the industries, 35 key indicators were identified. These criteria were divided into five major groups as: materials, infrastructure, technical, economical and instructional indices. The priority rates of these criteria and sub-criteria were evaluated by AHP technique. The results indicated that among 35 effective sub-criteria in location selection of the plants, the sub-criteria of quality of raw materials(0.152), purchasing raw materials, land cost, profitability, reliability of supply, and sales had the highest priorities, which were rated as 0.118, 0.105, 0.067, 0.061 and 0.057, respectively.

Keywords: Effective Criteria, Analytical Hierarchy Process(AHP), Priority rate, Sub-criteria, Kiln wood drying.

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