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Lin et al  
Azizi et al  
Analytical Hierarchy Process  
Technique for order preference by similarity to ideal  
solution

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Michael et al  
Mc Cauley and Caulfield  
Oriented Strand Board

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AHP

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Team- EC 2000

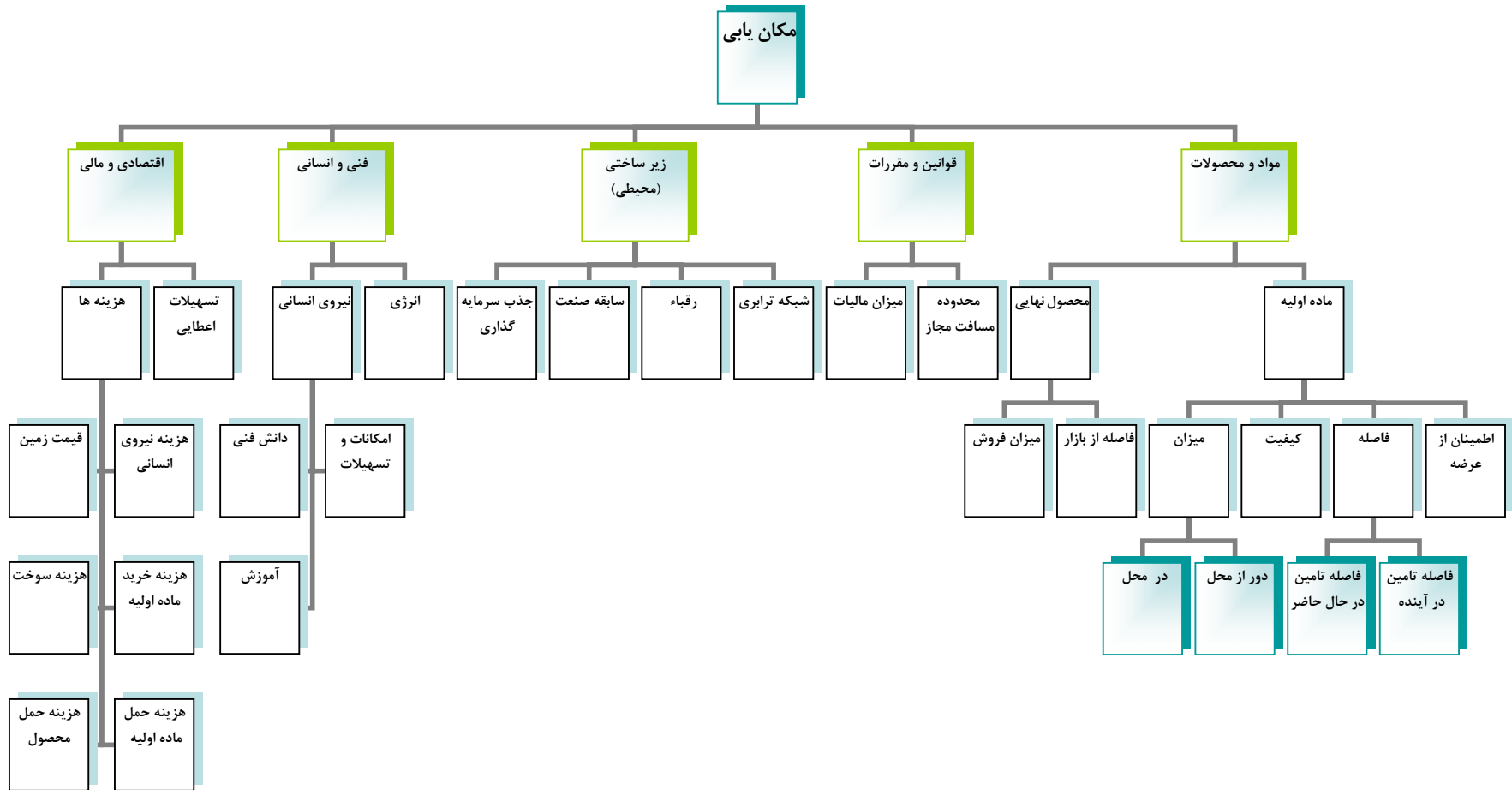
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TOPSIS

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## A Study of Plywood & Veneer Industry Choice Location, and Identification of Provinces in Iran, Suitable for Establishment of the Industry

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### Abstract

Studies show that location selection for plywood & veneer factories has not been done through proper planning in Iran and for that reason the production rate is not satisfactory. It is necessary for proper operational establishment of the units, in the future, and for solving the problem, scientific methods be employed. In the first stage, the effective indicators in location of the industry were identified and a hierarchy was constructed based on five major groups of criteria. The weight of the indicators was then established by Analytical Hierarchy Process. In the second stage, the values of the indicators, with regard to alternatives, were obtained from factories in public and private sectors. These weights were employed in TOPSIS to rank the alternatives. Finally the potential provinces were identified according to the priorities obtained through this technique. The results indicated that Kordestan province is the most suitable priority for plywood & veneer plants to be established in.

**Keywords:** Location, Alternative, Indicators, AHP, TOPSIS, Plywood & Veneer

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