A Multiattribute Decision Making
Approach for Industrial Prioritization:
the Case of Vietnam

Trong Vu Ngo

Asian Institute of Technology

Thailand

Mario T. Tabucanon

Asian Institute of Technology

Thailand

Abstract

This paper proposes a model for prioritizing industries for development and promotion. The model is developed under an Analytic Hierarchy Process (AHP) framework with multilevel criteria. The main criteria are: economic development, industrial technological progress, energy and natural resources' utilization and environmental preservation. The case of Vietnam, a country in transition from central planned to market economy, is taken into consideration. The results indicate that, at the present context of early stage of industrialization in Vietnam, economic development is the most important criterion and foodstuffs industry has the highest priority.

Keywords: Industrial Development, Multiattribute Decision Making, Analytic Hierarchy Process (AHP), Vietnam.