

Thesis Title	Design Of Renewable Energy Database : Biomass
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### Abstract

This study was to design a database of biomass fuel for household and industrial sectors in Thailand by using Microsoft Access program. Types of biomass considered in the study were fuel wood, charcoal, paddy husk, bagasses, and rice straw. The database was consisted of the data of price, the amount of biomass consumption, types and efficiency of stove and boiler during 1980 to 1996. In household sector, the database was classified according to the activity-used, namely : cooking household-industry, fire stack to prevent insect, warming and stove technology. For industrial sector, the database was classified based on Thai Standard Industrial Classification (TSIC) into 9 sub-sectors, namely : food, textile, wood, pulp and paper, chemical, non-metallic, basic metal, fabricated-metal and others. This biomass database with the provided search capability will be benefited for the research on utilization of biomass as fuel used.

Keywords : Biomass / Households / Industry / Database