

<b>Research Title</b>	The Study on Renewable Energy Sources : A Case Study of Charcoal from Agricultural Waste in Karen Community Ta Phoen Khi Village, Suphan Buri Province.
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This research aims to study alternative energy sources for the production of charcoal briquettes from agricultural waste and distributed learning about dissemination of charcoal from agricultural waste. The procedures and methodologies are exploring and sampling agricultural residues. The creation of tools and equipment for the production of charcoal briquettes. Method of producing charcoal briquettes from agricultural residues. Public Participation in the production and dissemination of Charcoal from agricultural waste to farmers and Assessment of the satisfaction of participants in training.

The study found the renewable energy sources for the production of charcoal briquettes from agricultural waste is cassava stalks and Straw and corn stalks. The research team choose cassava roots and corn of renewable energy source for the production of charcoal briquettes.

The results fuel analysis of charcoal and charcoal briquettes were found the Moisture content, Ash content, Volatile matter, Fixed Carbon, Total Sulfur and Heating value of activated charcoal, cassava stalks charcoal, corn charcoal, cassava roots charcoal, corn charcoal, cassava stalks of corn in a ratio of 50: 50 and charcoal cassava stalks of corn in a ratio of 75: 25 with the fuel according to the standard products charcoal and the properties of waste that can be processed into fuel rods of Thai Industrial Standards Institute (TISI) Ministry of Industry and Department of Industrial Works.

The satisfaction of participating publishers training to produce charcoal briquettes from agricultural waste to household and community residents satisfaction is the guest speaker in the highest level and most. The understanding and utilization of project participants in the highest level and the need for help from the researcher and in the process was in the highest level and most.