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Field of Textiles and Clothing



Development of Natural Extracted from Agricultural Waste as Mordant for Better Quality Natural Dyed Thai Silk

Applied Integrated Research on Improvement of Local Silk Natural Dyeing through Development of Natural Mordant from Cassava Leave

Research attempts to seek alternative methods of local silk natural dyeing in order to improve the dyeing quality and changing the process of natural dyeing to pure natural and then higher value of the natural dyed Thai silk. Application of research is on local dyeing groups in selected rural communities of Thailand. Taking into consideration technical innovation and social attitude towards new natural mordant.

Continued improvement of natural extracted mordant is still going on in terms of further technical innovation, new sources of agricultural waste and wider scope of application under the realistic conditions of local Thai dyers. The researcher is now in the process of attempting to next research.

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Research Fund: Agricultural Research Development Agency



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Development of Natural Fiber from Agricultural Waste as a New Fiber for Value Added of Agricultural Waste

The Research on Development of Natural Fiber from Agricultural Waste: Lotus fiber (*Nelumbo nucifera*)

The objective of this research are to study the physical and chemical properties of the fiber from lotus (*Nelumbo nucifera*) stalk, to develop a novelty yarn from cotton fiber blend with lotus fiber and to develop products from cotton-lotus fiber blend fabric.

Continued improvement of the development of new fiber from agricultural waste is still going on in terms of improving technical innovation to extracted fiber, new sources of agricultural waste

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