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KEY WORD : DECISION MAKING/TYRE/LUBRICANT OIL/LPG/MUSHROOM

SONGVIT PIROMPAK : FACTORS AFFECTING AGRICULTURISTS' DECISION
ON UTILIZING OR NOT UTILIZING USED TYRE, USED ENGINE OIL AND LPG AS A
FUEL FOR STREAM BOILER IN PADDY STRAW MUSHROOM PLANTS AT BANNA
DISTRICT,NAKHONNAYOK PROVINCE. THESIS ADVISOR: LADDAWAN THONG-
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The purpose of this study was to determine the factors that affected the agriculturists' decision on utilizing or not utilizing used tyre, used engine oil and LPG as a fuel of the stream boiler for the paddy straw mushroom plants. The study design was ex post facto research. The population were divided into 2 groups : I) All 354 straw mushroom agriculturists in Banna District ; II) 18 local government officers and community leaders. The instruments used in this study were the questionnaire and the indepth interview. Statistics used were frequency distribution,percentage, mean (μ),standard diviation (σ), and discriminant analysis. The data then were analyzed by using SPSS^X while indepth interview information was explained descriptively.

The Study showed that : I) the Common important factors affecting decision to utilize used tyre, used engine oil and LPG as fuel are the price of fuel stove and convenience in obtaining the fuel ; II) important factors affecting decision not to utilize used tyre are the black smoke, dust and bad smell ; III) important factors affecting decision not to utilize used engine oil are the inconvenience in obtaining the fuel and method of fuel usage ; IV) important factors affecting decision not to utilize LPG are the bad smell and method of fuel usage. The study finding will contribute to appropriate and effective ways and means in rural fuel source management with the aim to promote good economics and environmental quality for the rural areas.