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Papers Abstracts

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FST-11
Application of dryers on the quality of crispy skin in UKM Aulia, District Agam, Province West Sumatera

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Abstract— **This study aims to determine the effect of cow skin drying on the quality of crispy skin with solar ... dryer to protein content, fat content, texture test and organoleptic test. The raw material of this ... cowhide obtained from Animal Slaughterhouse in Bukittinggi, using 50 kg of Simmental Performer B... 2 years. The research method used Completely Randomized Design consisting of 4 treatments. The t... were drying time A (1 day), B (2 days), C (3 days), D (4 days). The results showed that the effect of t... was significantly different (P <0,01) to protein content, fat, texture test was significantly different (P <... organoleptic value was significantly different color (P <0,05) , The texture was not significantly differen... Based on the result of this research, it can be concluded that the effect of cow calf drying on quality of c... with solar tunnel dryer on treatment C gives best result of protein content 58,88%, fat content 13,69%, ... test with average 210,92 N / cm2, And color organoleptic test 2.06, flavor 2.02 and texture 2.12.**

Keywords— **crispy skin, cowhide, solar tunnel dryer, drying time.**

FST-12
Probiotic Characterization of Lactic Acid Bacteria Isolated From ... Milk (Buffallo, Cow and Goat)

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Abstract— **The aim of this study was to evaluated the in vitro potential probiotic properties of lactic ac... from raw milk. The lactic acid bacteria (LAB) used in this study were isolated from raw milk (buffa... goat) from different location in West Sumatera, Indonesia. Isolates were identified by mor... biochemical and physiological methods. Probiotic properties of isolates were investigated.The sele... were further characterized by tolerance to acidity pH 2, 0.3% bile salt, and antibiotics su... Antimicrobial activitity of the isolated strains against pathogenic bacteria was assessed using we... method and cell surface hydrophobicity was also assessed. Finally, the selected strains were identifi... 16S rRNA gene sequence analysis. The strains code CM 1.1. (cow milk) and GM 1.1 (goat milk) were ... to be acid and bile tolerant and exhibited antagonistic activity towards pathogen bacteria. The resear... that the lactic acid bacteria from raw milk contained probiotic bacteria, which are capable of living in ... tract and fighting against pathogenic bacteria.**