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Asia Pacific Network for Sustainable Agriculture, Food and Energy



SAFE 2017 - International Conference
Sustainable Agriculture, Food and Energy
August 22-24, 2017, MALAYSIA



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Global Innovation on Sustainability and Sustainable Development



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The effect of consuming the hypercholesterolemic retioned food to the body weight of albino rats with administration of Strawberry Drink Type

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Umi Purwandari, Nurul Khusnul Khotimah, Ervina Vony Yulia Nurlaita

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SWEET POTATO FERMENTATION BY Botryodiplodia theobromae: PHYSICAL AND CHEMICAL CHANGES, CHARACTERISTICS OF FLOUR AND ITS USE IN GLUTEN-FREE PURPLE SWEET POTATO NOODLE

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PREDICTION SHELF-LIFE NORTH MOLLUCAS TRADITIONAL BISCUIT BASED ARTIFICIAL NEURAL NETWORK AND DIELECTRIC PROPERTIES

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Characterization of lipolytic bacteria from "Galamai"

FST-32

The effect of consuming the hypercholesterolemic rationed food to the body weight of albino rats with administration of Strawberry Drink Type

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Abstract— Body weight is usually influenced by the daily feed intake. That hypercholesterolemia rationed food deliberately to increase of the concentration of cholesterol in the blood of experimental animals. A hypercholesterolemia or high cholesterol concentration in the blood is one cause of coronary heart disease (CHD). In vitro studies have shown that anthocyanins and lycopene has the highest antioxidant capacity compared to other carotenoids. A strawberry (*Fragaria chiloensis* L.) is the fruit of a herbaceous plant which has the phytochemical anthocyanin. One function of anthocyanins as an antioxidant in the body is also to prevent the occurrence of atherosclerosis. The purpose of this study to assess the effect of feeding on body weight hypercholesterolemia albino rats (*Rattus norvegicus*) fed strawberry drink type. The design study is to design experimental pretest and posttest randomized control design. The results of this study indicate feeding hypercholesterolemia give effect to the development of body weight of albino rats (*Rattus norvegicus*), while the strawberry drink type administration with different doses did not suppressed the development of body weight of albino rats (*Rattus norvegicus*) with hypercholesterolemia feed.

Keywords— hypercholesterolemia rationed food; the body weighi;, strawberry drink type.

