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CERTIFICATE

Asia Pacific Network for Sustainable Agriculture, Food and Energy (SAFE-Network)
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RINCE ALFIA FADRI

PRESENTER

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Transforming Awareness of the Importance of Sustainability through Joint Action

Senior Professor Gannini Senanayake
The Vice Chancellor
University of Ruhuna

Dr. Novizar Nazir
SAFE Network Coordinator

Prof. Dr. P. Mangala C.S. De Silva
SAFE Network
Coordinator

Andalas University
INDONESIA



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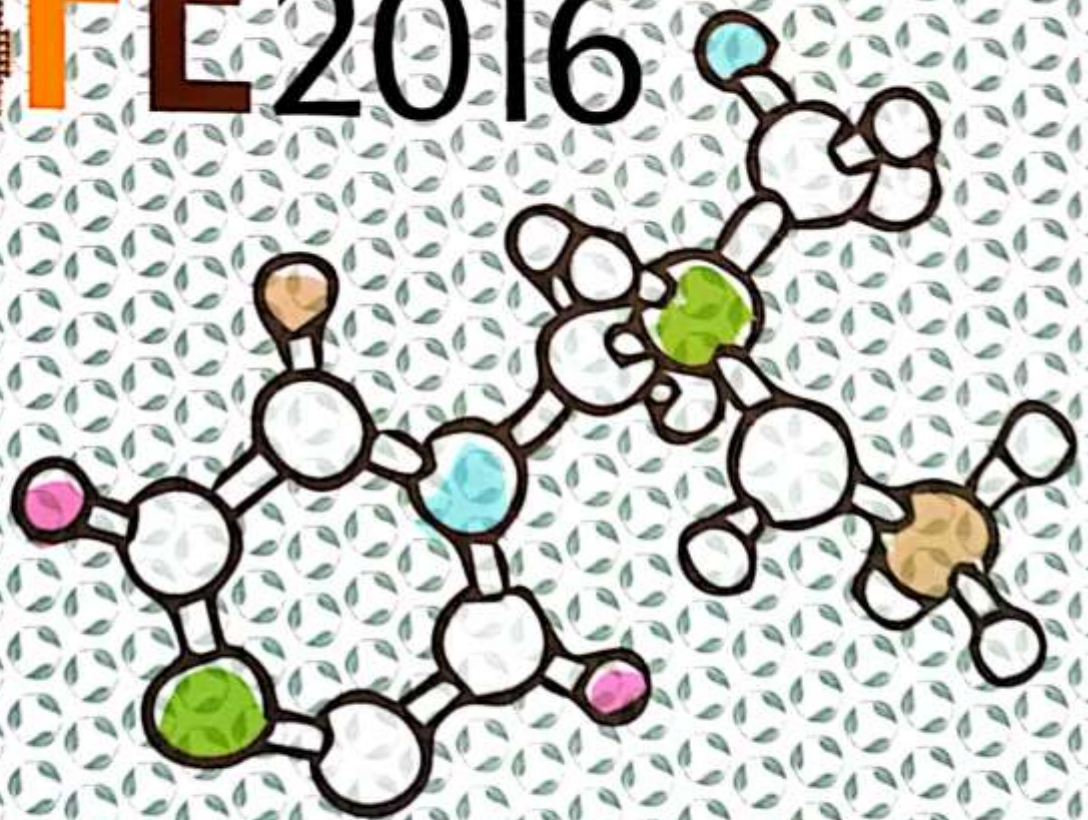


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Papers Abstracts

Transforming Awareness of the Importance of Sustainability through Joint Action

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Strawberry Drink Type Giving Effect Pass Through Additional Meals To The Nutrient Status, Diarrhea And Acute Respiratory Infection Stunted Children In Kenagarian (Area) Of Muaro Paiti, Kapur IX Subdistrict.

Rince Alfia Fadri, Salvia, Sri Kembaryanti Putri

Program Studi Teknologi Pangan (Food Technology Study Programe)
Politeknik Pertanian Negen Payakumbuh (Agricultural Polytechnic State Of Payakumbuh)

Abstract—The high number of stunted children (around 12% to 45%) is about nutrient problem in indonesia and diarrhea tragedy also acute respiratory infection. It had been done a research to analyze the effect of strwaberry drink type giving as functional drinking water to the children of aged 1 - 5 years old in kenagarian (area) muaro paiti, kapur ix subdistrict. The purpose of this research was to analyze strawberry drink type to the nutrient status, diarrhea tragedy and also acute respiratory infection to the stunted children. An experiment research had done for 120 days by pre-post test research of 90 stunted children divided to a group of treatment and control group. The weight measured by digital scale with 0,01kg acuration and the height mesured by microtoise with 0,1 cm acuration. Meal intake using 2x24 hours of recall system. Recall done at the beginning, middle and at the end of research. Acute respiratory infection and diarrhea tragedy to be asked every day. The mean intake of strawberry drink type reached 150 ml / day containing 1.6×10^9 cfu bal/ g. Energy and protein intake were above 100%. There wasa significant increase z-score h/a in experiment group ($p=0,000$) at the end of study, which did not in control group ($p=>0,05$). However, there was a significant decreased in z-score w/h in the experiment group ($p=0,000$) which did not in control group ($>0,05$). The datas analyzed using shapiro-wilk, pairing-test and ancova. The result described the descent of diarrhea and acute respiratory infection tragedy to the both of group that more stand out to the experiment group. Adding strawberry drink type to the additional meals to increase linear growth and descent diarrhea also acute respiratory infection tragedy to the stunted children at the aged of 1 - 4 years old. It is a good decition strwaberry drink type presented as additional meals for children every day.

Keywords—nutrient status, bal, strawberry drink type