Conference Programme
Papers Abstracts

Global Innovation on Sustainability and Sustainable Development

SAFE 2017

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

SAFE NETWORK
Asia Pacific Network for Sustainable Agriculture, Food and Energy

Muthia Dewi

SAFE 2017

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5th International Conference Sustainable Agriculture, Food, and Energy SAFE2017

August 22-24, 2017
Acapella Suites Hotel Shah Alam, MALAYSIA

"Global Innovation on Sustainability and Sustainable Development of Agriculture, Food and Energy"

Organizing Institution

UNIVERSITI TEKNOLOGI MARA

SAFE NETWORK
Asia Pacific Network for Sustainable Agriculture, Food and Energy

CONTENTS

SAFE2017 PROGRAM

DAY 0: Monday, August 21, 2017
ARRIVAL OF PARTICIPANTS

DAY 1: Tuesday, August 22, 2017
PRE-CONFERENCE TOUR

DAY 2: Wednesday, August 23, 2017
VENUE: ACAPELLA SUITES HOTEL, SHAH ALAM, MALAYSIA

Time	Activity
7.30-8.30 AM	**Registration**
8.30-9.00	**Opening Ceremony** **Venue: SERAYA BALL ROOM, Acapella Suites Hotel**
8.40-8.50	Opening by MC National anthem of Malaysia " Negaraku" National anthem of Indonesia " Indonesia Raya" Do'a
8.50-8.55	Conference Program Introduction by Local Conference Coordinator, **Prof. Azizah Hanom Ahmad.** *Universiti Teknologi MARA, MALAYSIA*
8.55-9.00	Welcome Remark from Rector of Andalas University, **Prof. Dr. Tafdil Husni**
9.00-9.05	Welcome Remark from Vice Cancellor of Universiti Teknologi MARA, **PROFESSOR EMERITUS DATO' DR HASSAN SAID**
9.05-9.10	Welcome Remark by the **Ambassador of the Republic of Indonesia in MALAYSIA**
9.10-9.15	Presentation of Opening Gimmick Presentation of Certificate of Appreciation and Special Gift from **Dr. Novizar Nazir (SAFE-Network)** to Universiti Teknologi MARA-MALAYSIA and Andalas University-INDONESIA
9.15-9.25	Presentation SAFE2018 logo to Delegates from PHILIPPINES, the President of CBSUA, Philippines and **Dr. Norman de Jesus**, Resident Coordinator of SAFE-Network [Philippines] from Pampanga State Agricultural University. Official Photo session

FST-09

Effects of cryoprotective in surimi-like material of spent laying hen meat during frozen storage

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Abstract— **The objective of this research was to study the influence of different and levels of cryoprotectan (dextrose and sorbitol) added (0%, 0%, 4%, 8%) on physicochemical of surimi prepared from spent laying hen meat. The surimi can damaged during occur of freezing process, so it should be added cryoprotectant compounds that has function to prevent protein denaturation during freezing. The analysis was include the pH, water holding capacity, moisture content, protein content, fat content (14, 21 days). The adding dextrose and sorbitol generally was showed no significant different (P>0.05) in pH than the control, but there were increased in moisture, protein and fat content and WHC among the frozen storage (P<0.05) samples. Surimi were using cryorotektant able to maintain WHC compared to raw surimi without using cryoprotektant during frozen storage. Therefore, it is reasonable to assume that processing of surimi based on spend laying hen can preserve better the physicochemical of surimi by using dextrose and sorbitol at 4-8% levels among storage.**

Keywords— **croprotectan, dextrose, sorbitol, surimi, spent laying hen meat**

FST-10

Performance, Carcas Quality and Percentage of Internal Organ of Duck, Muscovy Duck and Tiktok

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bstract— **Duck has been developed as egg producer and muscovy duct is good meet producer, but the later slow reproduction; hence, tiktok (mule duck - cross between duck and muscovy duck) has been used as an lternative for increasing meat production. An experiment was conducted to evaluate performance, carcas uality and percentage of internal organ of duck (Mojosari), muscovy duck (Manila) and tiktok. The three species ere used as treatments with six repetition-animals, arranged under Complete Design. All animals were reared brooding cage for two weeks, and then reared in individual battery with feed containing 18 % protein and 2992 al/kg energy until ten weeks when the animals were slaughtered for analysis. Results of the experiment monstrated that there were no significant difference between the three spesies in term of feed consumption d cooking loss. However, they differed in term of body weight gain, feed convertion ratio, the percentage of cas and its division, meat bone ratio, abdominal fat, chest fat, chest cholesterol, internal organ percentage drip loss. In general, muscovy duck showed the best growth performance and carcas quality, followed by ok and duck being the last; except carcas percentage of tiktok (64%), being higher than those of duck (61.6%) muscovy duck (62.7%). In addition, meat cholesterol of tiktok (2,2%) and muscovy duck (1,8%) were similar, higher than those of duck (2.9%). However, loss of nutrition in tiktok during thawing proceses was higher those in duck and muscovy duck.**

rds— **performance, carcass quality, fat, choiesterol, duck, muscovy duck, tiktok.**

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SAFE 2017

CERTIFICATE

Asia Pacific Network for Sustainable Agriculture, Food and Energy (SAFE-Network)
and Universiti Teknologi MARA, MALAYSIA
Jointly certify that,

MUTHIA DEWI

PRESENTER

International Conference-Sustainable Agriculture, Food and Energy (SAFE 2017)
Shah Alam Selangor, MALAYSIA. August 22-24, 2017
Global Innovation on Sustainability and Sustainable Development

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