



**HOW TO SEARCH
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PROJECT REPORT PORTAL**

INTRODUCTION

CONTENT



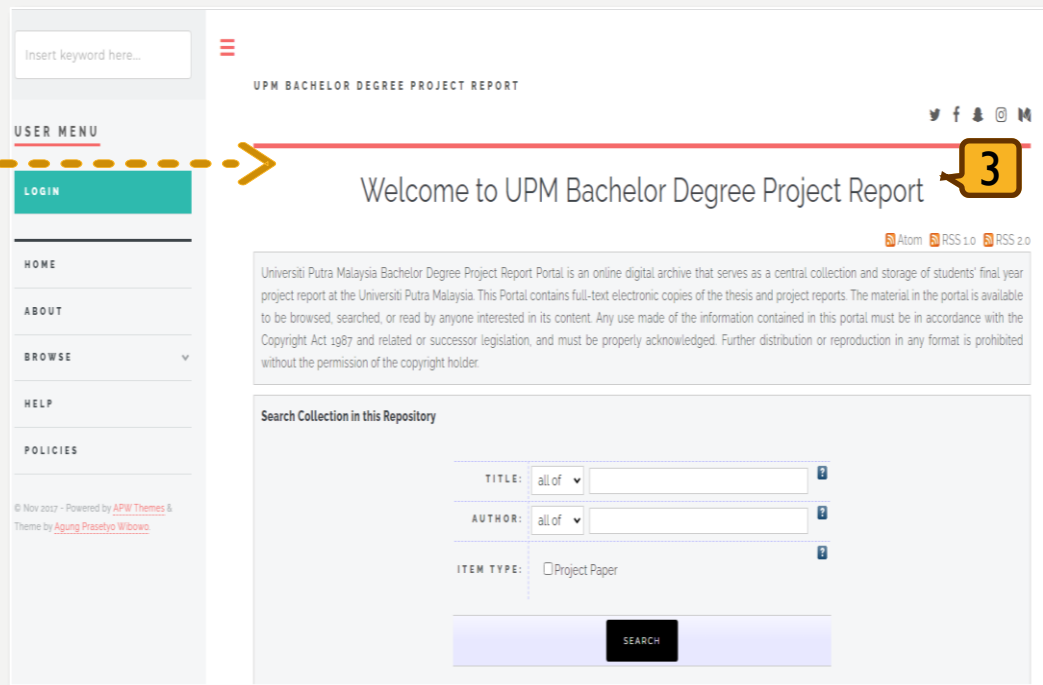
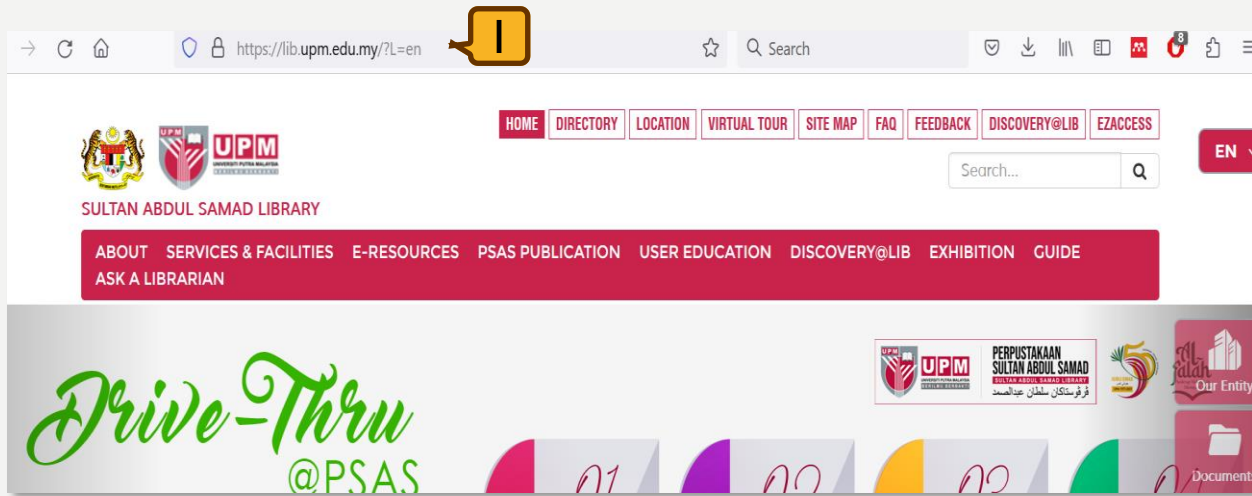
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3. UPM Bachelor Degree Project Report Portal homepage

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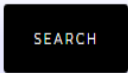

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AUTHOR:	all of ▾		
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Title matches "malnutrition"

Displaying results 1 to 5 of 5.

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1. Chen, Zi Xin (2020) *Prevalence of Malnutrition and Its Associated Factors Among Gynecological Cancer Patients in Institut Kanser Negara, Putrajaya*. [Project Paper] (Submitted)
2. Dahlan, Nur Alia Balqis (2020) *Prevalence of Malnutrition Based on Global Leadership Initiative on Malnutrition (GLIM) Criteria and Its Associated Factors Among Adult Inpatients in Medical Wards Hospital Serdang, Selangor*. [Project Paper] (Submitted)
3. Abdul Raheem, Asiya (2014) *Factors associated with risk of malnutrition among elderly patients in the out-patient department of the two main hospitals of Maldives*. [Project Paper] (Submitted)
4. Md Ali, Mohammad Syafiq (2014) *Use of 7-point scale subjective global assessment (SGA) to assess malnutrition among haemodialysis patients in Seri Kembangan, Selangor*. [Project Paper] (Submitted) **6**
5. Saufe, Siti Suhaila (2014) *Risk of malnutrition among patients in medical ward at Hospital Serdang*. [Project Paper] (Submitted) **7**

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Risk of malnutrition among patients in medical ward at Hospital Serdang

Saufe, Siti Suhaila (2014) *Risk of malnutrition among patients in medical ward at Hospital Serdang*. [Project Paper] (Submitted)

9



Text

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Abstract

This cross-sectional study was conducted to determine the prevalence of patients who are at risk of malnutrition and association between socio-demographic status, anthropometry, biochemical, clinical data and dietary intake. Purposive sampling method was used for the patient selection. A total of 53 patients were recruited from Medical Ward at Hospital Serdang. Descriptive statistics, Spearman-rank correlation coefficient and one-way ANOVA were used. Socio-demographic status and anthropometry measurement (weight, height and knee height) were collected. Biochemical and clinical data (total protein, albumin, total cholesterol, total lymphocyte count, blood pressure and temperature) were obtained from medical report. Dietary intake was assessed using two-day dietary recall. Data were collected through a face-to-face interview with the patients. The mean age of the patients was 57.8±15.9 years. Length of hospital stay was 6.4±4.8 days with majority of them were male (79.2%) and Malays (60.4%). The prevalence of patients at high risk of malnutrition was 22.6%. Risk of malnutrition were negatively associated with BM1 ($r = -.467$, $p = .001$) and albumin level ($r = -.328$, $p = .032$) while positively associated with body weight changes ($r = .732$, $p = .001$). In addition, loss of appetite among patients was significantly different between patients at low risk and high risk of malnutrition. Hence, there is a need to screen patients in medical wards at admission in order to improve their nutritional status.

ITEM TYPE: Project Paper

FACULTY: [Faculty of Medicine and Health Science](#)

DEPOSITING USER: Mr Muhamad Fazril Awang

DATE DEPOSITED: 22 Nov 2022 08:21

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A

Ab Aziz, Muhammad Aizat (2019) *An evaluation of an exoskeleton to assist pole handling during manual oil palm harvesting activity*. [Project Paper] (Submitted)

Ab Halim, Aimi Amira (2019) *Image-based leaf analysis for detection of nitrogen status in sweet corn production*. [Project Paper] (Submitted)

Abd Malik, Nursakinah (2019) *Smart environmental monitoring for hydroponic system*. [Project Paper] (Submitted)

Abdul Hamid, Ahmad Shahid (2019) *Quality assessment of oil palm fresh fruit bunches using backscattering imaging*. [Project Paper] (Submitted)

Amat Sadikin, Muhammad Khairil Fahrudin (2019) *Evaluation of a process-based model for the estimation of nitrogen losses in a flooded rice system*. [Project Paper] (Submitted)

5

G

Goh, Yee Nie (2019) *Development of LoRaWAN communication system to monitor soil electrical conductivity and pH in oil palm nursery*. [Project Paper] (Submitted)

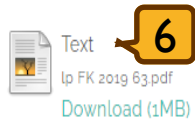
I

Ismail, Nurul Athirah (2019) *Development of an indoor UAV testing facility for aerial agricultural chemical spraying*. [Project Paper] (Submitted)

5. Click the title to download full text project report

Evaluation of a process-based model for the estimation of nitrogen losses in a flooded rice system

Amat Sadikin, Muhammad Khairil Fahmier (2019) *Evaluation of a process-based model for the estimation of nitrogen losses in a flooded rice system*. [Project Paper] (Submitted)



Abstract

Simulation of nitrogen (N) losses by using a mathematical model in flooded rice system is important for designing and developing protocols for the management of crop nutrients to ensure sustainable production. Objective for this study are to select an appropriate process-based model for simulation purpose and to test the performance of the model against secondary data sets, and a mathematical model proposed by Liang's was chosen in order to estimate N losses from urea applied in a flooded rice system. However, as a first step, the performance of this model in quantifying N losses must be evaluated. N transformations namely, urea hydrolysis, volatilization, nitrification, denitrification and N transportations like runoff, lateral seepage, vertical leaching and crop uptake were consider in this study. The secondary datasets from Xu et al., (2018) that consist of observed ammonia volatilization, ammonium (NH₄⁺) left in soil solutions and nitrate (NO₃⁻) left in soil solutions were used to evaluate the model's performance. This model underwent parameter calibration three times. Results showed that the observed ammonia volatilization were well predicted by this model, but not for NH₄⁺ and NO₃⁻ left in soil solutions. The model simulation values were not exactly same as the observation values for NH₄⁺ left in soil solutions and NO₃⁻ left in soil solutions. The performance of this model in identifying NH₄⁺ and NO₃⁻ beneath soil surface is still poor.

ITEM TYPE: Project Paper


FACULTY: Faculty of Engineering

DEPOSITING USER: Ms Siti Mariam Giman

DATE DEPOSITED: 17 Nov 2022 01:33

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*EVALUATION OF A PROCESS-BASED MODEL FOR THE ESTIMATION
OF NITROGEN LOSSES IN A FLOODED RICE SYSTEM*

MUHAMMAD KHAIRIL FAHMIER BIN AMAT SADIKIN

Ip
FK 2019 63





THANK YOU FOR WATCHING!