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Jurnal Klinik Indonesia (*The Indonesian Journal of Clinical Nutrition*) merupakan sebuah media untuk menginformasikan hal-hal baru yang berkaitan dengan telaah-telaah ilmiah, inovasi pendidikan, serta penelitian gizi di Indonesia. Media ini dapat menjadi jembatan informasi para praktisi di bidang gizi klinik, termasuk yang bergerak di dunia pendidikan maupun pemberi pelayanan gizi rumah sakit, puskesmas, dinas kesehatan maupun institusi lainnya yang bergerak di bidang gizi.

Hak cipta dilindungi oleh undang-undang. Dilarang memperbanyak sebagian atau seluruh dari jurnal ini tanpa tertulis dari penerbit.
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Berdasarkan Keputusan Direktur Jenderal Pendidikan Tinggi Departemen Pendidikan Nasional Republik Indonesia Nomor 56/DIKTI/Kep/2012 tanggal 24 Juli 2012 tentang Hasil Akreditasi Berkala Ilmiah (Periode I tahun 2012) Direktur Jenderal Pendidikan Tinggi, Jurnal Gizi Klinik Indonesia (*The Indonesian Journal of Clinical Nutrition*) diakui sebagai **BERKALA ILMIAH YANG TERAKREDITASI** periode 2012-2017.

OCM-051

Difference Hemoglobin Concentration in Minangkabau Pregnant Women between Coastal and Mountain Areas

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Background/aims: The prevalence of anemia on pregnant women in Indonesia and West Sumatra are still high. A pregnant woman with anemia is a high risk of morbidity and mortality in developing countries, including Indonesia. The objective was to study difference hemoglobin (hb) concentration between coastal and mountain areas in West Sumatra. **Methods:** A cross-sectional study was conducted on 360 pregnant women between 16th and 32nd weeks of gestation in West Sumatra from April to June 2015. Hb concentration was assessed by cyanmethemoglobin method. A bivariate analysis was performed using Mann-Whitney U test. **Results and Discussion:** The median hb concentration of pregnant women was 11.5 g/dL in coastal area and 11.9 g/dL in mountain area. The mean age of subjects was 29.1 years in coastal area and 29.4 years in mountain area. The mean gestational age was 24.9 weeks in coastal area and 25.4 weeks in mountain area. The result of this study showed that hb concentration was significantly different between coastal and mountain areas ($p=0.013$). **Conclusion:** The hb concentration on pregnant women in mountain area was slightly higher than coastal area.

Keywords: hemoglobin concentration, pregnant women, mountain, coastal, Minangkabau

OCM-053

The Influence of Drink Formula Red Beans, Peanuts and Soybeans Against The Nutritional Status of Pregnant Women in Sleman, Yogyakarta

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Background: The prevalence of malnutrition in pregnant women DI.Yogyakarta reached 22.69%, while at Sleman amounted to 11.72%. **Objectives:** This study aimed to analyze the influence of drink formula red beans, peanuts and soybeans against the nutritional status of pregnant women in Sleman, Yogyakarta. **Methods:** The study design is randomized controlled trial (RCT).The inclusion criteria are malnutrition pregnant women with gestational age between 14-28 weeks. The research locations in 8 health centers in Sleman with total sample of 84 people.Data obtained by measuring LILA and BB pregnant women before and after being given a drink formula.Data analysis using Chi square, paired t test and Wilcoxon. **Results:** The results showed differences in the addition of BB and LILA pregnant women in the treatment group was higher than controls ($p < 0.005$). BB and LILA addition of the three groups there is a difference with $p < 0.001$.Measuring the nutritional status of pregnant women from the three groups and the control group showed more meaningful peanuts compared to formula red beans and soybeans formula are not significant with $p < 0.001$.Groups of pregnant women who get the formula of

peanuts there is an increased protein intake above the standard of 67 grams and a total energy of 2260 Calorie. **Conclusion:** Nutritional status of pregnant women who get the formula peanut higher than by red beans, soy beans and formula for pregnant women. Pregnant women who received formula peanuts have energy and protein intake is higher than the other formulas.

Keywords: Drinks formula , peanuts , soybeans , red beans , nutritional status

OCM-057

Effect of biscuits eel - purple sweet potato on gross motor and fine motor undernourished children aged 24-35 months

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This study aimed to determine the effect of biscuit eel - purple sweet potato on gross motor and fine motor undernourished children aged 24-35 months. This type of research is the randomised controlled trial with a two- group pretest - posttest design. The sampling technique used is random sampling, a total sample of 20 children. Data were analyzed using univariate, bivariate, and Wilcoxon signed-rank test. The results showed that there is influence of biscuit eel - purple sweet potato on gross motor and fine motor ($p = 0.05$), and fine motor skills ($p = 0.04$) undernourished children aged 24-35 months. No effect of biscuit flour on gross motor ($p = 0.157$) and fine motor ($p = 1000$) undernourished children aged 24-35 months. It was concluded that the biscuit eel - sweet purple potato gives a good effect on gross motor and fine motor undernourished children aged 24-35 months. It is advisable to give a biscuit eel - sweet purple potato children aged 24-35 month.

Keywords: biscuit eel - sweet purple potato, gross motor, fine motor, child malnutrition

OCM-059

The Relationship of Dietary Pattern and Obesity with Metabolic Syndrome at Nutrition Academy of Surabaya Students in level X, XI XII

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Background: Based on National Health and Nutrition Examination Survey III/NIHANES in 1988-1994 shows that metabolic syndrome of teenagers aged 12-19 years is 4,2 % and 28,7 % teenagers with obesity are getting metabolic syndrome. **Objectives:** The objective of research is identifying the relationship of dietary pattern and metabolic syndrome at Nutrition Academy of Surabaya students in level X,XI and XII. **Methods:** The respondents are 58 students who were interviewed and measured anthropometrical and clinical examination. The characteristic of data includes anthropometrical measurement, triglyceride serum level, blood glucose level, blood pressure, dietary pattern using 24 hours food recall for three days and FFQ. These data has been analyzed by using analytical statistic. **Results:** The result shows that the relationship of energy, protein, fat , natrium, and fiber intake and metabolic syndrome is not really significant caused by 41,4 % students rarely have breakfast. It indicates that even studying