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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
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Judul Artikel Ilmiah : **Hemoglobin and Serum Transferrin Receptor Differences in Pregnant Women in Rural and Urban Areas of Central Java Province, Indonesia**
 Nama semua penulis : **M. Zen Rahfiludin, Dina Rahayuning Pangestuti, Yudhy Dharmawan**
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 J Edisi (bulan, tahun) : Januari 2019
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Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata /Nilai Akhir yang diperoleh
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi jurnal (10%)	2	2	2
b. Ruang lingkup dan kedalaman pembahasan (30%)	6	6	6
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	6	6	6
d. Kelengkapan unsur dan kualitas penerbit (30%)	5,75	6	5,875
Total = (100%)	19,75	20	19,875
Nilai pengusul = 60% x 19,875 = 11,925			

Reviewer 1



Prof. Dr. Sri Sumarmi, S.KM., M.Si
 NIP 196806251992932002
 Unit kerja: FKM Universitas Airlangga

Reviewer 2



Prof. Dr. Merryana Adriani, S.KM., M.Kes
 NIP 195905171994032001
 Unit kerja : FKM Universitas Airlangga

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b	Ruang lingkup & kedalaman pembahasan (30 %)	6	6
c	Kecukupan dan kemutakhiran data/informasi dan metodologi (30 %)	6	6
d	Kelengkapan unsur dan kualitas jurnal (30%)	6	5,75
	Nilai Total	20	19,75
	Nilai yang didapat pengusul: 60% x 19,75 = 11,85		

Catatan Penilaian artikel oleh Reviewer

a	Kelengkapan unsur isi artikel	Unsur artikel lengkap, telah memenuhi kaidah penulisan artikel ilmiah dalam jurnal
b	Ruang lingkup & kedalaman pembahasan	Artikel membahas tentang status zat gizi pada wanita hamil di pedesaan dan perkotaan. Pembahasan mendalam memanfaatkan referensi yang memadai serta menggunakan indicator objektif dengan biomarker yang memiliki sensitifitas tinggi untuk menilai status besi.
c	Kecukupan dan kemutakhiran data/informasi dan metodologi	Data mutakhir diperoleh dari penelitian cross sectional dengan besar sampel memadai 69 ibu hamil di perkotaan dan pedesaan. Analisis statistic menggunakan uji yang tepat untuk menggambarkan tujuan dan menarik Kesimpulan

d	Kelengkapan unsur dan kualitas jurnal	Diterbitkan pada Pakistan Journal of Nutrition yang tidak lagi terindex scopus similarity index 18%
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Surabaya, 6 Maret 2020

Reviewer 1



Prof. Dr. Sri Sumarmi, S.KM., M.Si

NIP 196806251992932002

Unit kerja: Fakultas Kesehatan Masyarakat Universitas Airlangga

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c	Kecukupan dan kemutakhiran data/informasi dan metodologi (30 %)	6	6
d	Kelengkapan unsur dan kualitas jurnal (30%)	6	6
	Nilai Total	20	20
	Nilai yang didapat pengusul: 60% x 20 = 12		

Catatan Penilaian artikel oleh Reviewer

a	Kelengkapan unsur isi artikel	Penulisan artikel ilmiah telah sesuai dengan "Guide for Author" substansi artikel pengusul telah sesuai dengan ruang lingkup ilmu pengusul "ilmu kesehatan masyarakat". Telah ada benang merah dalam struktur penulisannya.
b	Ruang lingkup & kedalaman pembahasan	Ruang lingkup artikel telah sesuai dengan Pakistan Journal of Nutrition. Analisis pembahasan telah melibatkan seluruh rujukan yang ada (37 rujukan)
c	Kecukupan dan kemutakhiran data/informasi dan metodologi	Data hasil penelitian telah dianalisis dengan metode yang tepat sehingga menghasilkan informasi yang baru, dengan demikian dapat ditarik suatu Kesimpulan yang dapat dipertanggung jawabkan.

d	Kelengkapan unsur dan kualitas jurnal	Jurnal "Pakistan Journal of Nutrition" merupakan jurnal internasional yang diterbitkan oleh Asian Network for Scientific Information. Telah discontinued di scopus
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Surabaya 29 Januari 2020

Reviewer 2



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NIP 195905171994032001

Unit kerja : Fakultas Kesehatan Masyarakat Universitas Airlangga

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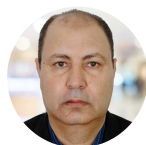
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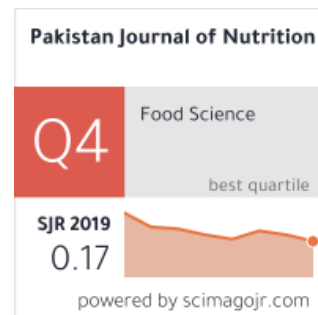
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Volume 18, Number 7, 2019

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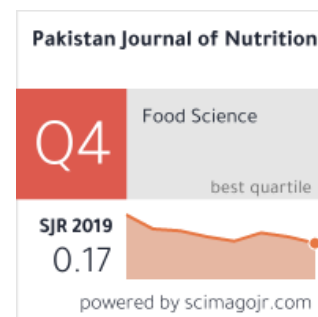
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Research Article

Hemoglobin and Serum Transferrin Receptor Differences in Pregnant Women in Rural and Urban Areas of Central Java Province, Indonesia

Mohammad Zen Rahfiludin, Dina Rahayuning Pangestuti and Yudhy Dharmawan

Faculty of Public Health, Diponegoro University, Jl. Prof Sudharto SH, Kampus Undip Tembalang, Semarang 50275, Indonesia

Abstract

Background and Objective: Pregnant women in rural and urban areas have different nutritional intakes and associated problems. The present study compared hemoglobin and serum transferrin receptor levels, as well as influencing factors, between pregnant women in rural and urban areas in Central Java, Indonesia. **Materials and Methods:** Blood samples were taken from 80 pregnant women in urban and 69 pregnant women in rural areas of Central Java, Indonesia. The cyanmethemoglobin method was used to measure hemoglobin levels and enzyme-linked immunosorbent assay was used to measure serum transferrin receptor. Nutrient intake data was obtained using 24 h recall on 2 inconsecutive days. Food intake data with Recommended Dietary Allowance percentages were measured using cutoff points based on Indonesian nutritional adequacy. Iron-deficiency anemia status was categorized into four groups: iron-deficiency anemia, non-iron-deficiency anemia, non-anemia iron deficiency and non-anemia/non-iron deficiency. **Results:** Pregnant women in rural areas had lower income and education levels than pregnant women in urban areas. Intake of iron, vitamin B12 and folic acid were lower in rural areas, while vitamin C and dietary fiber intake were lower in urban areas. While hemoglobin levels did not differ significantly based on area of residence, serum transferrin receptor levels did. **Conclusion:** Iron-deficiency anemia in pregnant women was higher in rural areas. Therefore, pregnant women are recommended to increase intake of high iron foods, particularly heme-iron and maintain a balanced diet.

Key words: Anemia, iron deficiency, pregnant women, rural and urban areas, serum transferrin receptor

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Corresponding Author: Mohammad Zen Rahfiludin, Faculty of Public Health, Diponegoro University, Jl. Prof Sudharto SH, Kampus Undip Tembalang, Semarang 50275, Indonesia Tel: +08122889745

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Competing Interest: The authors have declared that no competing interest exists.

Data Availability: All relevant data are within the paper and its supporting information files.



Systematic Review

Sustainability of Childhood Obesity Interventions: A Systematic Review

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³University of Strathclyde, School of Psychological Sciences and Health, Scotland

Abstract

Background and Objective: Childhood obesity is a global epidemic. While childhood obesity intervention programmes have been developed and implemented, few studies have investigated the sustainability of these programmes. This systematic review explored the sustainability of childhood obesity interventions at the individual, interpersonal, organizational, community and public policy levels of the Socio-ecological Model (SEM). **Materials and Methods:** A keyword search was conducted using the online databases EBSCO, PubMed and Science Direct. The inclusion criteria were primary research, long-term childhood obesity interventions (at least 12 months) with a follow-up of at least 6 months after the end of the intervention, overweight or obesity interventions implemented from 2007 until June 2018 and English as the reporting language. **Results:** These systematic searches found 1953 studies but only eight met the inclusion criteria. Factors such as programme champion, system/policy, workforce, community capacity, engagement/relationship building, adaptation/adoption, evaluation and feedback, training and education, collaboration and partnership as well as ongoing support contributed to the sustainability of the programme. **Conclusion:** It is important that future research assesses the sustainability of childhood obesity interventions, particularly at the public policy level. Attention should be given to enhancing sustainability in future intervention studies.

Key words: Childhood obesity, childhood overweight, health behavior, pediatric obesity, program sustainability, socio-ecological model

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Competing Interest: The authors have declared that no competing interest exists.

Data Availability: All relevant data are within the paper and its supporting information files.



Research Article

Assessment of the Minimum Dietary Diversity of Reproductive Women in Saudi Arabia

^{1,2}Adam E. Ahmed and ³Osama A. Salih

¹College of Agriculture and Food Sciences, King Faisal University, Hofuf, Kingdom of Saudi Arabia

²Department of Agricultural Economics, Faculty of Agriculture, University of Khartoum, Khartoum State, Sudan

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Abstract

Objective: The objective of this study was to assess the adequacy of micronutrients in the diets of reproductive women in Saudi Arabia using the Food and Agriculture Organization and the United States Agency for International Development Guidelines for Minimum Dietary Diversity for Women. **Materials and Methods:** A sample of 1,700 mothers, aged 15-49 years, was selected from five major regions in Saudi Arabia. The 24 h recall method was used to record food consumed in the last 24 h. **Results:** The results revealed that in the Kingdom of Saudi Arabia (KSA), 54% of mothers achieved the Minimum Dietary Diversity for Women (MDD-W) and consumed an adequate intake of micronutrients, whereas 46% of mothers of infants did not. Food groups that contributed significantly to the MDD were grains (100%); meat, poultry and fish (91%) and dairy products (78%). Those that contributed moderately were other vegetables (49%), pulses (44%) and other fruits (41%). The food groups that contributed minimally were eggs (28%); other fruits and vegetables rich in vitamin A (23%); dark green leafy vegetables (20%) and nuts and seeds (17%). There was a positive relationship between the MDD score achieved and the mothers' level of education, income and age. The nutritional messages, information and counseling provided to reproductive women increased the percentage of mothers who achieved adequate micronutrients. These results are essential in visualizing the problem of insufficient consumption of micronutrients and specific food groups in reproductive women's diets. **Conclusion:** There is a need for formulating strategies to develop programs and interventions to improve and enhance the consumption of adequate micronutrient intake in reproductive women's diets in the KSA.

Key words: Food groups, micronutrient intake, minimum dietary diversity, reproductive women, Saudi Arabia

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Competing Interest: The authors have declared that no competing interest exists.

Data Availability: All relevant data are within the paper and its supporting information files.