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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : JURNAL ILMIAH

Judul Artikel Ilmiah : Influence Variation of Tempe Gembus (an Indonesian Fermented Food) on Homocysteine and Malondialdehyde of Rats Fed an Atherogenic Diet

Penulis Artikel Ilmiah : Ratih Kurniasari, Mohammad Sulchan, **Diana Nur Afifah**, Gemala Anjani, Ninik Rustanti

Status Pengusul : Penulis pertama/**penulis anggota**/penulis korespondensi

Identitas Jurnal Ilmiah : a. Nama Jurnal : Romanian Journal of Diabetes Nutrition & Metabolic Diseases
b. Nomor/Volume/Hal : 3/24/203-211
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d. Penerbit : 2017 ILEX PUBLISHING HOUSE, Bucharest, Roumania
e. Jumlah halaman : 12
f. DOI artikel (Jika ada) : <https://doi.org/10.1515/rjdnmd-2017-0026>
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Nilai Total = (100%)	40			35

Nilai pengusul = $(40\% \times 35)/4 = 3,5$

KOMENTAR/ULASAN PEER REVIEW

Kelengkapan dan Kesesuaian Unsur : Jurnal internasional bereputasi terindeks di SCOPUS (Q4), unsur lengkap dari abstract, introduction, methods, discussion, acknowledgement, dan references

Ruang Lingkup dan Kedalaman Pembahasan : Ruang lingkup penelitian intervensi pangan fermentasi pada tikus yang diberi diet aterogenik dengan sebagian besar referensi adalah pustaka primer

Kecukupan & Kemutakhiran Data & Metodologi : Penelitian dengan desain True Experimental: posttest randomized controlled group design.

Kelengkapan Unsur dan Kualitas Penerbit : Terbitan lengkap memuat vol, no, tahun dan daftar isi

Semarang, 8 Juli 2019
Penilai 1



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NIP 19590527 198603 2 001

Unit kerja : Fakultas Kedokteran
Bidang Ilmu : Ilmu Kedokteran
Jabatan/Pangkat : Guru Besar

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d. Kelengkapan unsur dan kualitas penerbit (30%)	12			11
Nilai Total = (100%)	40			35

Nilai pengusul = $(40\% \times 35)/4 = 3,5$

KOMENTAR/ULASAN PEER REVIEW

Kelengkapan dan Kesesuaian Unsur	: Jurnal internasional bereputasi terindeks SCOPUS (Q4) dengan unsur lengkap dari abstract hingga references
Ruang Lingkup dan Kedalaman Pembahasan	: Ruang lingkup penelitian intervensi pangan fermentasi asli Indonesia (tempe gembus) pada tikus aterosklerosis dengan sebagian besar referensi adalah pustaka primer
Kecukupan & Kemutakhiran Data & Metodologi	: Penelitian in vivo dengan pengukuran homocysteine dan malondialdehyde menggunakan metode ELISA
Kelengkapan Unsur dan Kualitas Penerbit	: Terbitan lengkap memuat vol, no, tahun dan daftar isi

Semarang, 7 Januari 2020

Penilai 2

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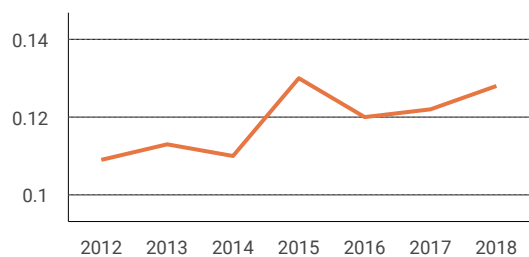
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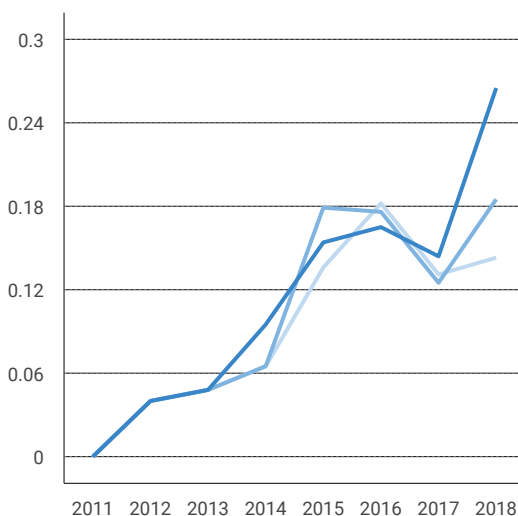


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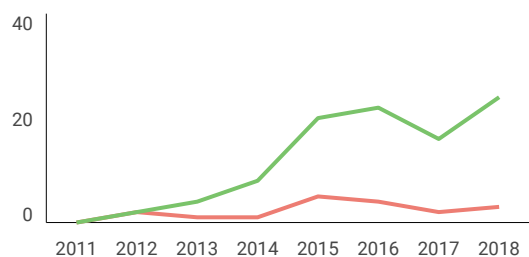
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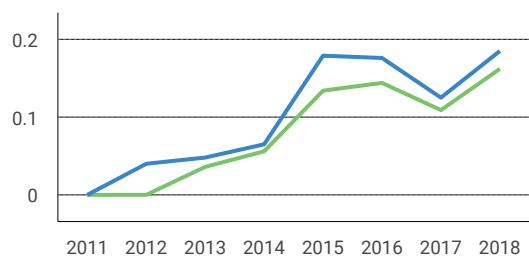
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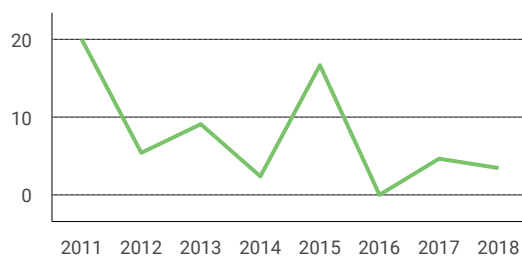
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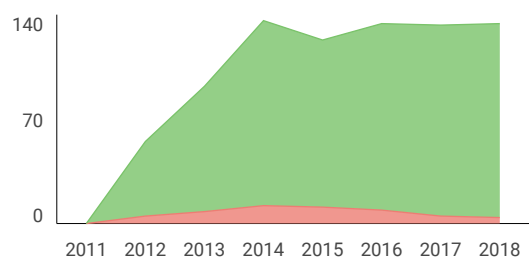
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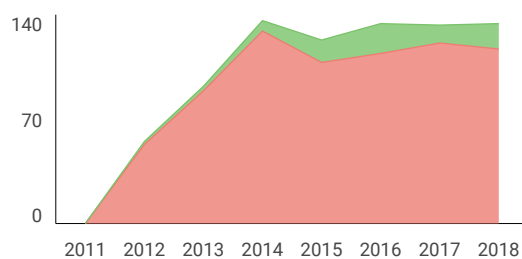
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The 3rd issue of number 24 - **The Romanian Journal of Diabetes, Nutrition and Metabolic Diseases**

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INFLUENCE VARIATION OF TEMPE GEMBUS (AN INDONESIAN FERMENTED FOOD) ON HOMOCYSTEINE AND MALONDIALDEHYDE OF RATS FED AN ATHEROGENIC DIET

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Romanian Journal of Diabetes, Nutrition and Metabolic Diseases
Volume 24, Issue 3, September 2017, Pages 203-211

Influence variation of tempe gembus (an Indonesian fermented food) on homocysteine and malondialdehyde of rats fed an atherogenic diet (Article) (Open Access)

Kurniasari, R.^{a,c}✉, Sulchan, M.^b, Affah, D.N.^b, Anjani, G.^b, Rustanti, N.^b ⓘ

^aDepartment of Nutrition Science, Diponegoro University, Semarang, Indonesia
^bNutrition Science Department, Medical Faculty of Diponegoro University, Semarang, Indonesia
^cJalan Kutilang 2 No. 44, Pondok Sejahtera, Kotabumi, Tangerang, Banten, Indonesia

Abstract

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Background and Aims: Atherosclerosis has become a prominent health problem in Indonesia. Based on food as medicine concept, tempe gembus (a fermented food from Indonesia) is well known having the content of nutrient that influences atherosclerosis parameter. Research aimed to prove the influence of different variation of tempe gembus that was given without additional treatment (X1), with the steam blanching heating (X2), and was added the bromelain enzyme (X3) to the level of serum Homocysteine (Hcy) and Malondialdehyde (MDA) of rat's blood that was given the atherogenic diet. Material and Methods: The research of posttest randomized controlled group design on 35 Sprague dawley rats were divided into two main groups as follow; they were 2 control groups (called K- and K+) and 3 treatment groups. All of the treatment groups were given tempe gembus of 25 gram/ kg rat body weight. Results: The results showed that group variation of tempe gembus had a lower mean of Hcy and MDA levels than disease group (K+). However, a significant effect of tempe gembus was only decrease in MDA level (ANOVA test p = 0.001). Treatment X1 and X3 had meaningful differences to decrease MDA levels. Conclusion: Tempe gembus variation can decrease the MDA level significantly and decrease the Hcy level however, without statistical significance. © 2017 ILEX PUBLISHING HOUSE, Bucharest, Roumania.

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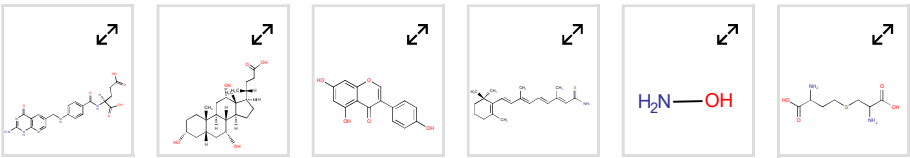
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Affah, D.N. , Nugrahani, G. , Hastuti, V.N.
(2019) *IOP Conference Series: Earth and Environmental Science*

Antioxidant activity and soluble protein content of tempeh gembus hydrolysate
Agustina, R.K. , Dieny, F.F. , Rustanti, N.
(2018) *Hiroshima Journal of Medical Sciences*

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