

COPYRIGHT TRANSFER AGREEMENT FORM

Please complete and sign this form and send it back to us with the final version of your manuscript. It is required to obtain a written confirmation from authors in order to acquire copyrights for papers published in Agritech.

Article Title

Efek Hipoglikemik Kecambah Beras Merah pada Tikus yang Diinduksi STZ-NA dengan Parameter Kadar Insulin, Indeks HOMA-IR dan HOMA β

Hypoglycemic Effect of Red Rice Germ on Insulin Levels, HOMA-IR and HOMA β
Index of STZ-NA Induced Rats

Author(s) **N. Nurhidajah, N. Nurrahman**

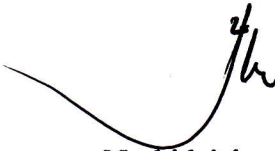
The copyright to this article is transferred to **Agritech** if and when the article is accepted for publication. The undersigned hereby transfers any and all rights in and to the paper including without limitation all copyrights to **Agritech**. The undersigned hereby represents and warrants that the paper is original and that he/she is the author of the paper, except for material that is clearly identified as to its original source, with permission notices from the copyright owners where required. Any violation found in future of any copyright come in notice, then the author will be responsible and not **Agritech**. The undersigned represents that he/she has the power and authority to make and execute this assignment.

We declare that:

1. This paper has not been published in the same form elsewhere.
2. It will not be submitted anywhere else for publication prior to acceptance/rejection by this Journal.
3. A copyright permission is obtained for materials published elsewhere and which require this permission for reproduction.

Furthermore, I/We hereby transfer the unlimited rights of publication of the above mentioned paper in whole to **Agritech**. The copyright transfer covers the exclusive right to reproduce and distribute the article, including reprints, translations, photographic reproductions, microform, electronic form (offline, online) or any other reproductions of similar nature.

The corresponding author signs for and accepts responsibility for releasing this material on behalf of any and all co-authors. This agreement is to be signed by at least one of the authors who have obtained the assent of the co-author(s) where applicable. After submission of this agreement signed by the corresponding author, changes of authorship or in the order of the authors listed will not be accepted.


Nurhidajah

20 Januari 2017

Daftar Revisi Artikel

1. Judul (bahasa Inggris) (hal 319) : ditambah tanda koma (,) setelah Insulin Level,

2. Email: inung.bkj@gmail.com diganti nurhidajah@unimus.ac.id

2. Abstrak : (hal 319)

- baris ke 5 : 2,5 bulan diganti 10 minggu.
- Baris terakhir : kata “memperbaiki” dihilangkan. “kekuatan sel beta pankreas” diganti “meningkatkan sel beta pankreas”

3. Abstract : (hal 319) dirubah seperti dibawah :

Germination process of grains such as rice, could increase some nutritional values such as amino acids and dietary fiber. Red rice and its sprouts are believed to be able to decrease blood glucose level in patients with diabetes mellitus (DM). The aim of this study was to evaluate the hypoglycemic effect of red rice sprouts in STZ-NA induced diabetic rats on blood glucose level, insulin level, HOMA-IR and HOMA- β index. This experimental study was conducted based on randomized post test only control group design using 24 male Wistar rats aged 10 weeks. Rats were divided into 4 groups, one group without induction of STZ-NA fed with a standard diet (control) and three groups of STZ- NA induced with a standard diet, red rice and red rice germ. Experiments were conducted for 6 weeks. The results showed that sprouted red rice lowered blood glucose levels by 61.88 % and the value of HOMA-IR (insulin resistance parameters) by 56.82%. Insulin level increased by 16.35 % and HOMA- β by 763.6 %. This study showed that red rice germ was able to decrease blood glucose levels and insulin resistance of DM rats and increase strength of the pancreatic beta cells.

4. Pendahuluan (hal 320) : baris ke 5 : **kegiatan diganti aktivitas**

5. Hewan Percobaan (hal 321) :

- baris ke 3 : **2,5 bulan diganti 10 minggu**
- **berat badan 175-250g** dihilangkan

6. Analisis Statistik (hal 322) : diganti seperti dibawah :

Hasil yang diperoleh diolah menggunakan SPSS Statistik 21. Uji Kolmogorov-Smirnov dan Shapiro-Wilk untuk menentukan normal tidaknya distribusi data. Data terdistribusi normal, diuji menggunakan uji One Way ANOVA dan dilanjutkan uji LSD. Data yang tidak terdistribusi normal, diuji Kruskal-Wallis dengan uji lanjut Mann Whitney.