

Dear Editor

Indonesian Biomedical Journal (InaBJ)

We wish to submit article entitled “Association of rs10830963 MTNR1B and rs841853 SLC2A1 Polymorphism with Obesity on Javanese Ethnicity of Type 2 Diabetes Patients: An Overview of Melatonin Receptor and Transporter” for publication in Indonesian Biomedical Journal (InaBJ)

Type 2 Diabetes Mellitus (T2DM) is still a problem in Indonesia. One of the hormones that plays a role in glucose metabolism of T2DM patients is melatonin. Its genetic variation is believed to play a significant role in the pathophysiology of obese and non-obese T2DM patients, given that their BMI (Body Mass Index) is very heterogeneous. Furthermore, the role of MTNR1B (melatonin receptor coding gene) and SLC2A1 (GLUT 1 transporter coding gene) on the risk of obese and non-obese T2DM patients is controversial. Therefore, this study aims to analyze the relationship between the rs10830963 MTNR1B gene and rs841853 SLC2A1 polymorphism to the risk of obese and non-obese T2DM individuals of Javanese ethnicity, which is the largest ethnic group in Indonesia. Results of this study proved that rs10830963 MTNR1B polymorphism is associated with the risk of obesity in Javanese T2DM patients but not for the rs841853 SLC2A1 polymorphism.

The manuscript content is original and has not been submitted or published elsewhere.

Author YT developed the analytical techniques of study, performed data analysis, interpretation, drafting of the article and prepared the final version for publication; AK performed data analysis and interpretation of data; AY and RS helped review the data analysis and reviewed the article.

We do not have any conflicts of interest to declare.

We are looking forward to hearing from you.

Yours sincerely,

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