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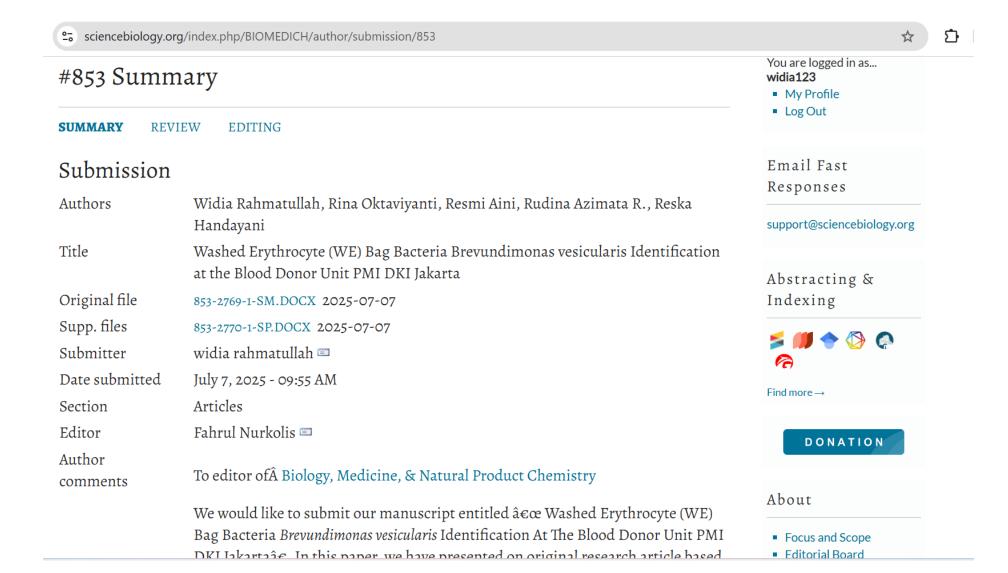
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1 - 1 of	1 Items								Indexing		
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BUKTI SUMMARY



BUKTI REVIEW

#853 Keview

SUMMARY **REVIEW** EDITING

Submission

Authors Widia Rahmatullah, Rina Oktaviyanti, Resmi Aini, Rudina Azimata R., Reska

Handayani 🗉

Title Washed Erythrocyte (WE) Bag Bacteria Brevundimonas vesicularis Identification

at the Blood Donor Unit PMI DKI Jakarta

Section Articles

Editor Fahrul Nurkolis 🗉

Peer Review

Round 1

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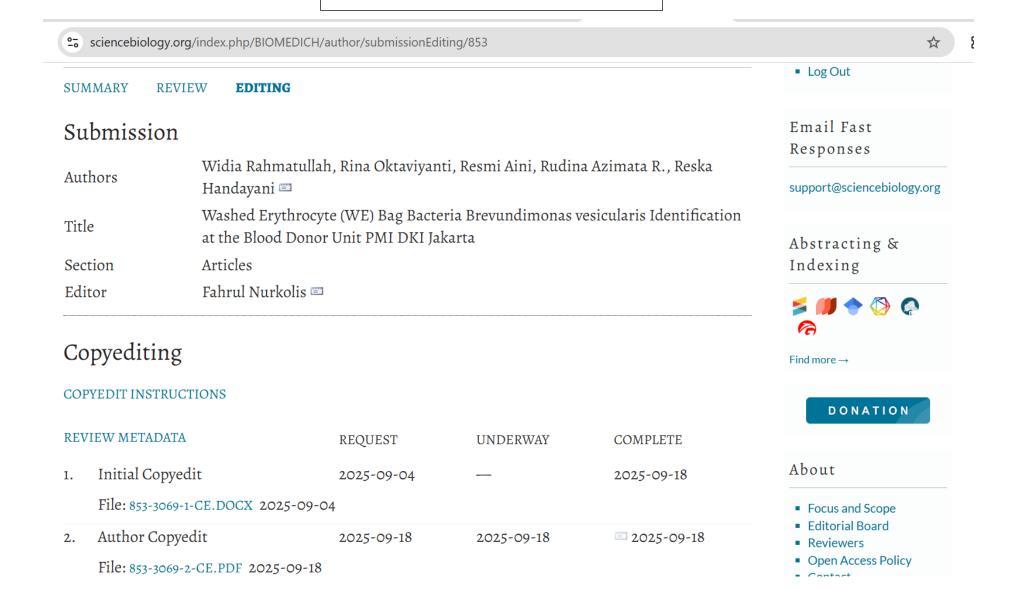
transfusion responses increasing increases with frequency of blood transfusions (Akbar *et al.*, 2014).

WE blood products, specifically PRC components, which have been washed two to three times with sterile physiological saline to eliminate 99% of plasma proteins, antibodies, and toxins, are one strategy to reduce the risk of transfusion reactions. Some leukocytes Because it only contains a minimal amount of leukocytes and plasma, the type of washed erythrocyte (WE) component is a modified kind of PRC blood component that is thought to be capable of minimizing responses associated with blood transfusion. Because the processing of WE components is still done in an open system, specifically, because or more manufacturing is still exposed to an open environment, it is done in an airflow laminator. Although this process is referred to as a sterile open system, there is a chance that it will become contaminated with

with Gram-positive and Gram-negative bacteria. The results of the identification showed that more than 50% of the bacteria detected in TC blood products were grampositive bacteria, while gram-negative bacterial contamination was usually less, but if gram-negative bacterial contamination occurs, there is a risk of transfusion infection to death (Rahmatullah et al., 2024 cit Agzie et al., 2019)... Asymptomatic, low-grade fever, acute sepsis, hypotension, and even death are possible clinical manifestations brought on by bacterial infection(Astuti & Ayu Maharani, 2014). Bacteria are extremely little small organisms that are invisible to the unaided eye. Both inside and outside of the human body, bacteria can exist in a number of conditions.

The term "bakteri aerob" refers to bacteria that require oksigen oxygen to function in order to provide energy. Examples of such bacteria include Nitrosococcus and Nitrobacter.

BUKTI EDITING



BUKTI CORRESPONDING AUTHOR



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Submission Metadata

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Country Indonesia

Competing interests —

CI POLICY

Bio Statement —

Principal contact for editorial correspondence.

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