

BIOLOGY, MEDICINE, & NATURAL PRODUCT CHEMISTRY

[Home](#) [About](#) [User Home](#) [Search](#) [Current](#) [Archives](#) [Announcements](#)

[Home](#) > [User Home](#)

User Home

Biology, Medicine, & Natural Product Chemistry

[Author](#) ○ Active [1 Archive](#) [\[New Submission\]](#)

[Reviewer](#) ○ Active

My Account

- [Edit My Profile](#)
- [Change My Password](#)
- [Logout](#)

User

You are logged in as...

widia123

- [My Profile](#)
- [Log Out](#)

Email Fast
Responses

support@sciencebiology.org

Abstracting &
Indexing



BIOLOGY, MEDICINE, & NATURAL PRODUCT CHEMISTRY

[Home](#) [About](#) [User Home](#) [Search](#) [Current](#) [Archives](#) [Announcements](#)

[Home](#) > [User](#) > [Author](#) > [Archive](#)

Archive

[ACTIVE](#) **[ARCHIVE](#)**

ID	MM-DD SUBMIT	SEC	AUTHORS	TITLE	STATUS
853	07-07	ART	Rahmatullah, Oktaviyanti, Aini, R.,...	WASHED ERYTHROCYTE (WE) BAG BACTERIA BREVUNDIMONAS...	Vol 14, No 2 (2025)

1 - 1 of 1 Items

Start a New Submission

User

You are logged in as...

widia123

- [My Profile](#)
- [Log Out](#)

Email Fast Responses

support@sciencebiology.org

Abstracting & Indexing





#853 Summary

SUMMARY REVIEW EDITING

Submission

Authors	Widia Rahmatullah, Rina Oktaviyanti, Resmi Aini, Rudina Azimata R., Reska Handayani
Title	Washed Erythrocyte (WE) Bag Bacteria <i>Brevundimonas vesicularis</i> Identification at the Blood Donor Unit PMI DKI Jakarta
Original file	853-2769-1-SM.DOCX 2025-07-07
Supp. files	853-2770-1-SP.DOCX 2025-07-07
Submitter	widia rahmatullah
Date submitted	July 7, 2025 - 09:55 AM
Section	Articles
Editor	Fahrul Nurkolis
Author comments	To editor of <i>Biology, Medicine, & Natural Product Chemistry</i> We would like to submit our manuscript entitled "Washed Erythrocyte (WE) Bag Bacteria <i>Brevundimonas vesicularis</i> Identification At The Blood Donor Unit PMI DKI Jakarta". In this paper, we have presented an original research article based

You are logged in as...

widia123

- My Profile
- Log Out

Email Fast Responses

support@sciencebiology.org

Abstracting & Indexing



[Find more →](#)

DONATION

About

- Focus and Scope
- Editorial Board

#853 Review

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

Review Version	853-2771-1-RV.DOCX 2025-07-07
Initiated	2025-09-04
Last modified	2025-09-04
Uploaded file	Reviewer B 853-3067-1-RV.DOCX 2025-09-04

widia123

- My Profile
- Log Out

Email Fast Responses

support@sciencebiology.org

Abstracting & Indexing



Find more →

DONATION

About

- Focus and Scope
- Editorial Board

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. ~~s~~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, or more specifically, because the 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 gram-positive 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.

SUMMARYREVIEWEDITING

Submission

AuthorsWidia Rahmatullah, Rina Oktaviyanti, Resmi Aini, Rudina Azimata R., Reska Handayani

TitleWashed Erythrocyte (WE) Bag Bacteria Brevundimonas vesicularis Identification at the Blood Donor Unit PMI DKI Jakarta

SectionArticles

EditorFahrul Nurkolis

Copyediting

COPYEDIT INSTRUCTIONS

REVIEW METADATA		REQUEST	UNDERWAY	COMPLETE
1.	Initial Copyedit	2025-09-04	—	2025-09-18
File: 853-3069-1-CE.DOCX 2025-09-04				
2.	Author Copyedit	2025-09-18	2025-09-18	2025-09-18
File: 853-3069-2-CE.PDF 2025-09-18				

Log Out

Email Fast Responses

support@sciencebiology.org

Abstracting & Indexing



Find more →

DONATION

About

- Focus and Scope
- Editorial Board
- Reviewers
- Open Access Policy
- Contact

Status

Status	Published Vol 14, No 2 (2025)
Initiated	2025-10-01
Last modified	2025-10-01

Submission Metadata

Authors

Name	Widia Rahmatullah 
Affiliation	Politeknik Kesehatan Bhakti Setya Indonesia
Country	Indonesia
Competing interests	—
CI POLICY	
Bio Statement	—
Principal contact for editorial correspondence.	

Journal Content

Search

Search Scope

All ▾

Search

Browse

- By Issue
- By Author
- By Title

Information

- For Readers
- For Authors
- For Librarians

Current Issue