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**[tused] Article Review Request**

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Ümmühan Ormancı <ummuhan45@gmail.com>  
To: Masturi Masturi <masturi@mail.unnes.ac.id>

Thu, Oct 1, 2020 at 8:50 PM

Masturi Masturi:

I believe that you would serve as an excellent reviewer of the manuscript, "DEVELOPMENT OF DIAGNOSTIC TEST TO ASSESS MISCONCEPTIONS ON PHOTOSYNTHESIS AND PLANT RESPIRATION: ASSESSEMENT OF MISCONCEPTIONS ON PHOTOSYNTHESIS AND PLANT RESPIRATION," which has been submitted to Journal of Turkish Science Education. The submission's abstract is inserted below, and I hope that you will consider undertaking this important task for us.

Please log into the journal web site by 2020-10-22 to indicate whether you will undertake the review or not, as well as to access the submission and to record your review and recommendation.

The review itself is due 2020-11-12.

Submission URL: <https://www.tused.org/index.php/tused/reviewer/submission?submissionId=1105&reviewId=286&key=L6KajvwK>

Thank you for considering this request.

Ümmühan Ormancı  
Dr.  
[ummuhan45@gmail.com](mailto:ummuhan45@gmail.com)

"DEVELOPMENT OF DIAGNOSTIC TEST TO ASSESS MISCONCEPTIONS ON PHOTOSYNTHESIS AND PLANT RESPIRATION: ASSESSEMENT OF MISCONCEPTIONS ON PHOTOSYNTHESIS AND PLANT RESPIRATION"

This study aimed to find common misconceptions about photosynthesis and plant respiration among form four students in Malaysia by developing a valid and reliable two- tier multiple choice questions test. This descriptive survey research was carried out using quantitative approach, with 500 study samples. Items in Photosynthesis and Plant Respiration Diagnostic Test (PRDT) was designed in two parts, part one tested students' knowledge on concepts and part two tested students' understanding and reasoning. The reliability and validity of PRDT instrument was tested with the Rasch Model. Rasch analysis showed construct validity evidence of the PRDT instrument. The findings brought significant implications to the teaching and learning progress of Biology.

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[Journal of Turkish Science Education](#)

## Review: *DEVELOPMENT OF DIAGNOSTIC TEST TO ASSESS MISCONCEPTIONS ON PHOTOSYNTHESIS AND PLANT RESPIRATION*

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## Review Submitted

Thank you for completing the review of this submission. Your review has been submitted successfully. We appreciate your contribution to the quality of the work that we publish; the editor may contact you again for more information if needed.

### Review Discussions

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