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Institut für Erziehungswissenschaft

Erziehungswissenschaft mit dem Schwerpunkt Schulpädagogik

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Dear Prof. Dr. Paas,

Dear Associate Editors and Consulting Editors,

We hereby would like to submit our manuscript entitled **“Does Computer-Based Feedback Foster Expository Writing? A Meta-Analysis”** to *Educational Psychology Review*.

Formative feedback is considered a beneficial but time-consuming strategy to support writing. To this end, computer-based feedback technologies are discussed as promising supplements to instructor feedback. However, despite the potential of these tools, it remains unclear under what conditions they can effectively enhance expository writing.

In this manuscript, we contribute to this open question by presenting a meta-analysis we conducted (*k* = 24 studies with pre-posttest design; *k* = 15 studies with pretest-posttest-control group design). We aimed to examine the effectiveness of system-generated computer-based feedback (considering a variety of technologies) as well as to explore potential feedback-related and student-related boundary conditions to improve writing quality. We believe that our research represents a valuable contribution to the field of educational psychology and fills an important research gap by shedding light on the feedback- as well as on the student-related conditions under which computer-based feedback can effectively support and enhance expository writing (in first language).

The manuscript comprises 10,525 words (including title page, abstract, six tables, one figure; excluding references). The manuscript has been approved by all the named authors, has not been published previously and it is not under consideration for publication elsewhere. We took care to follow the APA ethical and open science standards in the conduct of this study. The submitted manuscript will be constitute part of a dissertation. However, the dissertation and the paper have not yet been published anywhere. After acceptance of the submission, the research data will be made publicly available at the OSF (<https://osf.io/>). The research reported in this manuscript was supported by the German Research Foundation (DFG) under contract number LA 4009/1-1. The authors declare no competing interests.

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We kindly ask for considering the manuscript for publication.

Yours sincerely,

Salome Wagner, Jürgen Schneider, Iris Backfisch, Katharina Scheiter, and Andreas Lachner