

Dear Prof. Andrzej Nowicki,

I am pleased to submit a manuscript entitled "On Woven Fabric Sound Absorption Prediction" by Iwan PRASETIYO, Gradi DESENDRA, Melissa HERMANTO and Damar ADHIKA for consideration for publication in Archives of Acoustics. This is an effort to make advancement on textile material applications as acoustic absorber elements for interior building applications or room acoustic ones in general.

This manuscript discusses sound absorption modelling of woven fabrics while experimental validations are provided. The model is developed based on the formulation of Johnson-Champoux-Allard (JCA). The model behavior is further tested by considering pore perturbation due to the presence of polymer. Moreover, woven fabrics considered in calculation cases are found in market or typically used for interior finishing. Perhaps, this is sufficient to test the model capabilities in predicting the sound absorption coefficients. Moreover, this is also expected that the results are more relevant to practical purposes aside from predicting model development itself.

We believe that this manuscript is appropriate for publication by the Archives of Acoustics because it is relevant to journal's aim and scope particularly acoustic material, sound absorber and architectural/building acoustics.

We also declare that the manuscript is original, the submission has not been previously published, nor was sent to another journal for consideration

We suggest the following reviewers are appropriate to review the manuscript and giving some feedbacks to us:

1) Dr. Azma PUTRA

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I submit this manuscript as a research paper. Thank you for your consideration

Best regards,

A handwritten signature in blue ink, appearing to read 'Iwan', with a horizontal line underneath.

Iwan Prasetiyo, PhD

(Assistant Professor, Engineering Physics, Insitut Teknologi Bandung, Indonesia)