# Author’s Response to the Review Comments

***Journal* : Jurnal Elektronika dan Telekomunikasi**

***Title of Paper* : Effect of Geometrical Structure to the Performance of Monolithic Dye-Sensitized Solar Cells**

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We appreciate the time and efforts by the editor and referees in reviewing this manuscript. We have addressed all issues indicated in the review report, and believed that the revised version can meet the journal publication requirements. We have included the line numbers in the revised manuscript to help the reviewers identify our changes.

| **Comment** | **Response** | **Location of Response in Revised Manuscript** |
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| **EDITOR’S COMMENTS** |  |  |
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| **REVIEWER 1 COMMENTS** |  |  |
| This manuscript leads to illogical claim and (or) conclusion.  First, it has a base premise that, the role of ZrO2 in the structure is for a spacing insulator to separate dyed TiO2 layer and carbon layer electrically [5]-[6].  On the other hand, in conclusion, authors claimed that the best device structure from the measurement is A (or B). In which in this device structure, the ZrO2 does not insulate the TiO2 and Carbon (Fig. 4 a and b). It means the conclusion doesn't fulfill the premise in the reference [5-6]. Therefore the conclusion (or the manuscript plot) has an irrational structure.   In the case author claim is correct, the authors need a counterargument explanation (or counterargument paper) to counter the statement in reference [5-6], which is cited in the introduction.  The author answer (in the supplementary material) related this part explain about FTO contact to ZrO2. layer Therefore this explanation has no correlation at all to the premise and the reviewer question. | The role of spacer layer such as ZrO2 to prevent recombination only works in the active TiO2 layer section (in working electrode area) as discussed in [7]. Therefore we have added a reference pertaining to the role of ZrO2 other than those mentioned in reference [5]-[6] in the Introduction section. we also added a discussion of cells with geometrical structures of C whose performance is lower than the structures A and B in the Results and Discussion Section. We also do a little extra sentence in the conclusion section. | Introduction, Result and Discussion, and Conclusion sections. |
| The electrolyte part is missing in the structure of Fig. 4 (a-d). It has an important role in the DSSC monolithic structure. because it is important to analyze the determines the first function of ZrO2 as transportation of electrolyte to dyed porous TiO2 layer. | We have revised the figure of Figure 4 (a-d) by adding electrolyte part (yellow). | Figure 4 (a-d) |
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| **REVIEWER 2 COMMENTS** |  |  |
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