BUKTI KORESPONDESI EECSI

Dear Mr. Nanda Avianto Wicaksono: Congratulations -#1570472165 your paper ('Sensorless PMSM Control using Fifth Order EKF in Electric Vehicle Application') for EECSI 2018 been ACCEPTED. has Please make the necessary changes based on reviewers' comments and suggestions. For your information, according to IEEE regulations, similarity score of camera-ready paper should be less than 30%. The Technical Paper Committee will check whether the revision has been performed or not. If you fail to do so, we have a right to exclude your paper from the proceedings.

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======	Review		1	======
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> *** Novelty and Contribution: Rate the degree of scientific contribution provided by this paper. Do the authors offer new findings? Do they give proper explanation and detailed analysis? 2)

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1. Include detailed literature review. 2. Elaborate materials and methodology with respect to the presented work. 3. Discuss about results and graphics presented in this paper. 4. Increase the number 10-15 good references in existing list. 5. the equations in editable Represent all microsoft math equation.

	Recomr	nendation:	Your	overall	rating.
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There are lot of issues in the paper which are given below. So the paper needs careful revision. 1. Abstract needs to be revised in to sections such as intro, methodology, results & conclusion $\hat{a} \in \mathcal{C}$ Current state of art is insufficiently cited and compared in the introduction $\hat{a} \in \mathcal{C}$ Key aspects of the INTRODUCTION are not covered in the paper. For example, what was the motivation/importance of the study? What is the need /benefit of proposed approach? $\hat{a} \in \mathcal{C}$ The proposed methodology needs detailed discussion to justify the claims. $\hat{a} \in \mathcal{C}$ The paper has a lot of typographical and grammatical errors which needs to be addressed by the authors.

>	***	Recommendation:		Your	overall	rating.
Strong			Accept			(5)

======	Review	3	=======

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Below average	(1)
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1. The level of contributions of the paper is not suitable for journal publication: well-known. a. Modelling of ΕV presented is this paper is already b. EKF technique established. presented in this is already published and

2. EV model is not required in order to test the dependency of estimated speed on load torque

variation. The load torque can be simply changed from the simulation model. In fact the variation of load torque is not only applicable to EV application.

4. In order to be suitable for publication the following is required: a. The advantages of the introduced EKF compared to previous EKF techniques have to be highlighted.

b. Verification of the proposed techniques with experiments.

Other comments: a. Modeling of the PMSM is not clearly presented - in what reference frame is the equation written?

b. Block diagram of FOC for PMSM is not presented. Fig. 2 is NOT sufficient and does not present the FOC of PMSM.
c. Explanation on EKF for speed estimation is not sufficient.e.g. how the covariance matrices are obtained, how is the initial condition of the rotor is established, how is the process and measurement noises included in the simulation, etc.
d. Numbering of equations is incorrect - equations (29) on page 3, (9) on page

>	***	Recommendation:	Your	overall	rating.
Strong		R	eject		(1)

======	Review	4	======

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Please give more	description details	concerning EKF	algorithm and the	matrices	used (P, K, J, Q,
R) in the	equations	from	(23)	to	(27).

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Average