(Font 22 – Times New Roman)

Title of the Scientific Paper (Maximum 14 Words)

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Abstract - Abstracts are written in English and written in Indonesian. Abstract must contain research objectives, research methods in a concise manner and the results of research that has been obtained. The number of words in the abstract is between 150 and 250 words. (Font 9)

Keywords — Components, core, style, (At least 3 keywords) (Font 9)

I. Introduction (*Font 10*)

In this introduction, the author presents the background that underlies the selection of the research topic. In addition, in this heading the author should present or describe the results of related studies that have been conducted by other researchers as well as by the author, by mentioning the fundamental findings of those studies including the methods they used (literature review). This should be done using citations such as [1][2][3][4], which are characteristic of engineering journals. In this section, the author also presents supporting theories related to the research being conducted. (*Font 10*)

II. Research Method

A. Method (Sub Heading 1)

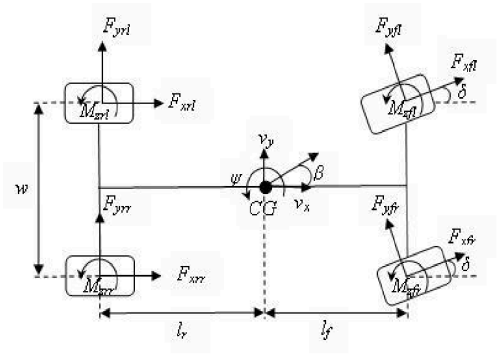
In this section, the author presents the research method used, including the time and location of the study if necessary.

B. Figures and Tables (Sub Heading 2)

Sometimes the research method is presented in the form of diagrams or tables. The author must ensure that the figures or tables displayed can be clearly read when placed in a single column. If a figure, diagram, or table requires a larger space, it may be placed across two columns while still maintaining alignment and balance according to this template format.

III. Reslts and Discusion

In this section, the author must present the research results obtained, either from laboratory testing or from simulation results using software or other specialized tools. The research results may be presented in the form of figures, tables, or other formats, which must then be accompanied by explanations. Figures and tables must be numbered sequentially starting from Figure 1 and Table 1, and so on. Examples of figures and tables can be seen in Figure 1 and Table 1 below:



Gambar 1. Vehicle Handling Model (*Font 9*)

Tabel 1. Data Parameter (*Font 9*)

No	Parameter	Value
1	Vehicle mass	1700 kg
2	Vehicle sprung mass	1520 kg
3	Coefficient of friction	0.85
4	Front track width	1.5 m
5	Rear track width	1.5 m
6	Tire rolling radius	0.285 m
7	Wheelbase	2.7 m
8	Distance between front axle to COG	1.11 m
9	Distance between rear axle to COG	1.59 m
10	Pitch stiffness constant	4000 Nm^{-1}
11	Roll stiffness constant	2400 Nm^{-1}
12	Centre of gravity height	0.55 m
13	Pitch moment of inertia	425 kg m^2
14	Roll moment of inertia	425 kg m^2
15	Yaw moment of inertia	3125 kg m^2
16	Wheel moment of inertia	1.1 kg m^2
17	Pitch damping constant	170000 $Nm^{-1}s^{-1}$
18	Roll damping constant	90000 $Nm^{-1}s^{-1}$

The writing of equations can be seen in the following example by providing sequential numbering.

$$y = ab \quad (1)$$

$$c + d = \beta \quad (2)$$

IV. Conslusion

The conclusions from the research results are explained in this section:

1. By using numbered points such as 1, 2,

2. It may also include suggestions or plans for the continuation of this research

3. ……..

V. References

The references must follow the IEEE format as shown below. To facilitate reference management, it is highly recommended to use reference management software such as EndNote or Mendeley. The minimum number of relevant references is 15, with citations preferably from the last 10 years.

[1] N. Yorino, A. Priyadi, H. Kakui, and M. Takeshita, "A new method for obtaining critical clearing time for transient stability," *IEEE Trans. Power Syst.*, vol. 25, no. 3, pp. 1620–1626, 2010.

[2] M. Ali, F. Hunaini, I. Robandi, and N. Sutantra, "Optimization of active steering control on vehicle with steer by wire system using Imperialist Competitive Algorithm (ICA)," in *2015 3rd International Conference on Information and Communication Technology (ICoICT), IEEE Conferences*, 2015, pp. 500–503.

[3] D. H. Kusuma, M. Ali, and N. Sutantra, "The comparison of optimization for active steering control on vehicle using PID controller based on artificial intelligence techniques," in *2016 International Seminar on Application for Technology of Information and Communication (ISemantic), IEEE Conferences*, 2016, pp. 18–22.

[4] R. Alterovitz, T. Simeon, and K. Goldberg, "The Stochastic Motion Roadmap: A Sampling Framework for Planning with Markov Motion Uncertainty," in *Robotics: Science and Systems III*, 2007.