Submission Confirmation for Fatigue Factor on Motorcyclists' Accident; Analysis Using Bayesian Network - [EMID:4930175dc4b6bfe2]

1 pesan

SJST <em@editorialmanager.com>　　　　　　　　　　　　　　　16 Maret 2021 pukul 09.50
Balas Ke: SJST <journal@g.sut.ac.th>
Kepada: pada lumba <padalumba@gmail.com>

Dear Dr lumba,

Your submission entitled "Fatigue Factor on Motorcyclists' Accident; Analysis Using Bayesian Network" has been received by journal Suranaree Journal of Science and Technology

You will be able to check on the progress of your paper by logging on to Editorial Manager as an author. The URL is https://www.editorialmanager.com/sujst/.

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Your submission entitled Fatigue Factor on Motorcyclists' Accident; Analysis Using Bayesian Network - [EMID:bb2932f8668eacc8]

1 pesan

SJST <em@editorialmanager.com>   17 Maret 2021 pukul 13.40
Balas Ke: SJST <journal@g.sut.ac.th>
Kepada: pada lumba <padalumba@gmail.com>

Dear Dr lumba,

Your submission entitled "Fatigue Factor on Motorcyclists' Accident; Analysis Using Bayesian Network" has been received by the journal, however, it is being returned to you for the following reason(s):

-    Insert short version of the title (Running head): Less than 60 letters.
-    You can load a form to place the content of the article: https://drive.google.com/file/d/1dCzrjUv_87jQevJIILeT2TwwxzF5aDDx/view

Please address the above issue(s) prior to resubmitting your manuscript.

Thank you for submitting your work to this journal.

Kind regards,

Rattikorn Yimnirun
Chief Editor
Suranaree Journal of Science and Technology

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Submission Confirmation for FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK - [EMID:e0e20d6ea4ec6501]

1 pesan

SJST <em@editorialmanager.com>   24 Maret 2021 pukul 15.10
Balas Ke: SJST <journal@g.sut.ac.th>
Kepada: pada lumba <padalumba@gmail.com>

Dear Dr lumba,

Your submission entitled "FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK" has been received by journal Suranaree Journal of Science and Technology

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A manuscript number has been assigned to FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK - [EMID:3a9be1b6778fe601]
1 pesan

SJST <em@editorialmanager.com>   25 Maret 2021 pukul 09.29
Balas Ke: SJST <journal@g.sut.ac.th>
Kepada: pada lumba <padalumba@gmail.com>

Dear Dr lumba,

Your submission entitled "FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK" has been been assigned the following manuscript number: SUJST-D-21-00080.

You will be able to check on the progress of your paper by logging on to Editorial Manager as an author.
The URL is https://www.editorialmanager.com/sujst/.

Thank you for submitting your work to this journal.

Kind regards,

Rattikorn Yimnirun
Chief Editor
Suranaree Journal of Science and Technology

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In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: https://www.editorialmanager.com/sujst/login.asp?a=r). Please contact the publication office if you have any questions.

Your Submission - [EMID:ed5d9052511bb900]

2 pesan

SJST <em@editorialmanager.com>   3 Desember 2021 pukul 08.41
Balas Ke: SJST <journal@g.sut.ac.th>
Kepada: pada lumba <padalumba@gmail.com>

Ref.: Ms. No. SUJST-D-21-00080R1
Article Title: **"FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK"**
Suranaree Journal of Science and Technology

Dear *Dr lumba,*

Reviewers have now commented on your paper. You will see that they are advising that you revise your manuscript. If you are prepared to undertake the work required, I would be pleased to reconsider my decision.

For your guidance, reviewers' comments are appended below.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which is being raised when you submit the revised manuscript. All changes are made in red fonts.

Your revision is due by 2021-12-16 23:59:59.

To submit a revision, go to https://www.editorialmanager.com/sujst/ and log in as an Author. You will see a menu item call Submission Needing Revision. You will find your submission record there.

Yours sincerely

Peerapong Uthansakul, PhD
Editor
Suranaree Journal of Science and Technology

Comments from the Editor and Reviewers :

Reviewer 1: This manuscript try to determine the possibility of accident for motorcyclists who take a break and those who do not take a break along their way due to fatigue. The study area is located in Indonesia. The results showed that the accident probability for motorcyclists who did not take a break on the way due to fatigue was 74%, while motorcyclists who took a break on the way due to fatigue had an accident probability of 26%. The study is worthy to provide readers a comprehension of transportation safety research. Hence, the reviewer considers the article being qualified for publishing in SUT Journal if authors revise the manuscript following the suggestions below for more completion of the article before publication.
1. The mitigation's policies should be drawn from the result of this research. The reviewer recommend to have one more section about mitigation's policies to reduce the number and severity of accident due to fatigue.
2. There are several studies in Transportation safety in Southeast Asia lately. The manuscript will be improved if the authors include the flowing studies.
*"Explaining Sex Differences in Motorcyclist Riding Behavior: An Application of Multi-group Structural Equation Modeling".
International Journal of Environmental Research and Public Health (https://doi.org/10.3390/ijerph17238797)
*"A Comparison of Motorcycle Helmet Wearing Intention and Behavior between Urban and Rural Areas." Sustainability (https://doi.org/10.3390/su12208395)

Reviewer 2: Some revisions are suggested to increase the clarity of the study:
1. Author can elaborate the information for each scenario before the conclusion part.
2. Discussion and additional information need to add after or before table and each figure will help reader to understand the main information in each table/ figure

Reviewer's Responses to Questions

Scientific Quality?

Reviewer #1:

- 3

Reviewer #2:

- 3

Importance to Field?

Reviewer #1:

- 4

Reviewer #2:

- 3

Clarity of Presentation?

Reviewer #1:

- 3

Reviewer #2:

- 2

PADA LUMBA <padalumba@gmail.com>
Kepada: nusinursari151170@gmail.com

6 Desember 2021 pukul 20.44

[Kutipan teks disembunyikan]

FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK

Reviewer 1

Number	Comments to the Author	After revision by author
1	The mitigation's policies should be drawn from the result of this research. The reviewer recommend to have one more section about mitigation's policies to reduce the number and severity of accident due to fatigue	To prevent accidents to motorcyclists, it is necessary to issue a policy related to: 1. The motorcyclists should take a rest if they feel fatigue while driving; 2. The sosialitation to motorcycle users related to the effect of rider characteristics (age and gender) on risky driving behavior; 3. There is curriculum related to safety in driving with material on the causes and effects of fatigue when driving. **This revision was in last paragraph in section results and discussion**
2	There are several studies in Transportation safety in Southeast Asia lately. The manuscript will be improved if the authors include the flowing studies. *"Explaining Sex Differences in Motorcyclist Riding Behavior: An Application of Multi-group Structural Equation Modeling". International Journal of Environmental Research and Public Health (https://doi.org/10.3390/ijerph17238797) *"A Comparison of Motorcycle Helmet Wearing Intention and Behavior between Urban and Rural Areas." Sustainability (https://doi.org/10.3390/su12208395)	…………………There were several previous studies related to driver characteristics such as gender of drivers. According to Ultra et al (2020) in their research in Thailand showed that gender of driver significantly influences driving behavior. According to Jiwattanakulpaisarn et al (2013) ………………… **This revision was in first paragraph in section Introduction**
		Differences of motorcycle performance will affect the risk of driving behavior and will also lead to fatal accidents (Teoh and Campbell, 2010; Bjørnskau et al, 2011; Yannis et al, 2004). According to Jomnonkwao et al (2020) that at urban area drivers tend to use helmets due to health motivation, while at suburban areas drivers tend to use helmets due to accident severity, cue to action and benefit. **This revision was in sixth paragraph in section Introduction**

Reviewer 2

Number	Comments to the Author	After revision by author
1	Author can elaborate the information for each scenario before the conclusion part.	For example, a driver who crosses a plantation area without any other variations, this conditions can cause the drivers drowsiness, thus it is risk of accidents. In addition, the straight roads and long can cause motorists to feel drowsy. This study is consistent with the study conducted by : [Larue et al, 2011]. Likewise, roads that tend to be flat without any inclines and descents, this condition will also affect the level of monotony of motorcyclists. **This revision was in eigth paragraph in section results and discussion**
		Scenario 2: the effect of weather conditions on the probability of accident. Weather conditions affect the wet or dry of road surface. Wet road conditions cause the road to tend to be slippery, thus it is risk of accidents……………………………………………..…. When it is rains, motorcyclists are expected to take shelter for a while or take a rest because it will decrease the risk of accident such as slipping, or falling due to a hole covered by water. **This revision was in nineth paragraph in section results and discussion**
		Scenario 3 and 4 : effect of driver aged to risky driving behavior and probability of accident. The driver age affects behavior in driving. Young drivers are usually more likely to be aggressive and even tend to conduct traffic violations. On the other hand, older drivers also have problems with their visual abilities and also with their ability to concentrate. The results of the analysis showed that motorcyclists aged > 20 years conducted traffic violations by 21% while drivers aged 20 years conducted traffic violations by 37%. The probability of accidents for motorists aged > 20 years is 25%. Meanwhile, the probability of an accident for drivers aged 20 years is 26%. **This revision was in tenth paragraph in section results and discussion**

		In scenarios 5 and 6 : Effect of male driver to risky driving behavior and probability of accident. Male drivers are 33% likely to coduct traffic violations, while female drivers are 24% likely to conduct traffic violations. Meanwhile, the probability of an accident for male drivers is 26% and the probability for an accident for female drivers is 25%, especially for drivers who take a break along their way due to fatigue. Meaning **This revision was in eleventh paragraph in section results and discussion**
		Scenarios 7 and 8 : effect of motorcyclists with engine capacity above 125 cm^3 to risky driving behavior and probability of accident. Motorcyclists with an engine capacity > 125 cm3 has 20% probability to conduct traffic violation, while motorcyclists with an engine capacity of 125 cm3 has 33% probability to conduct traffic violation . The probability of accidents for drivers with engine capacity > 125 cm3 is 25%, while for drivers with engine capacity 125 cm3 is 26%. It means that …………………… **This revision was in twelveth paragraph in section results and discussion**
2	Discussion and additional information need to add after or before table and each figure will help reader to understand the main information in each table/ figure	In addition, 35% of motorcyclists who had accidents on monotonous roads, meanwhile 65% of motorcyclists who experience accidents on unmonotonous roads. The high number of accidents on monotonous roads is caused by monotonous roads that can cause of fatigue and it even can lead to decrease level of vigilance of the driver. Around 47% of accidents on motorcycles occured between 12.00 and 18.00. This condition is reasonable because at that time in general the people have felt fatigue due to the workload that was performed before. Furthermore, the survey results also show that the most accidents that occured within 30 minutes duration of driving, which is 83%. This shows that fatigue is not only caused by the long duration of driving, but it is also caused by the workload before driving, monotonous road conditions and low traffic volume. The data also shows that 30% of motorcyclists experience fatigue before they had the accident. In addition, 9% of motorcyclists had accidents in the rain and 19% had accidents on wet road surfaces. Furthermore, 58% of drivers who had accidents aged 20 years and below and 32% of motorcyclists conducted traffic violations before they had accident. Lastly, 69% of the drivers involved in accidents are male drivers. **This revision was in first paragraph in section results and discussion**
		Based on the model validation analysis, it shows that the probability 1

		does not have in actual conditions. The explanation of Table 4 is: the probability 2 shows that the drivers had fatigue before the accident, besides that the drivers also conducted traffic violation and location of accident was on dry road surface, the probability the driver above mention around 25% of the samples that is taken in the field for validation stage and based on model analysys, the probability the driver above mention around 40%, thus the absolute difference between actual condition and model by 15%. The result of the calculation shows the MAD value of 15.43% as shown in Table 4. Meaning that the deviations between the actual condition and the model by 15.43%. **This revision was in seventh paragraph in section results and discussion**

Submission Confirmation for SUJST-D-21-00080R2 - [EMID:06e304e8a99e6763]

1 pesan

Ref.: Ms. No. SUJST-D-21-00080R2
FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK

Dear Dr lumba,

Suranaree Journal of Science and Technology has received your revised submission.

You may check the status of your manuscript by logging onto Editorial Manager at (https://www.editorialmanager.com/sujst/).

Kind regards,

_____
In compliance with data protection regulations, you may request that we remove your personal registration details at any time. (Use the following URL: https://www.editorialmanager.com/sujst/login.asp?a=r). Please contact the publication office if you have any questions.

Your Submission - [EMID:20104dae95373eb7]

1 pesan

Ref.: Ms. No. SUJST-D-21-00080R2
FATIGUE FACTOR ON MOTORCYCLISTS' ACCIDENT; ANALYSIS USING BAYESIAN NETWORK
Suranaree Journal of Science and Technology

Dear Dr lumba,

I am pleased to tell you that your work has now been accepted for publication in Suranaree Journal of Science and Technology.

It was accepted on 2021-12-26 20:57:04

Comments from the Editor and Reviewers can be found below.

Thank you for submitting your work to this journal.

With kind regards

Peerapong Uthansakul, PhD
Editor
Suranaree Journal of Science and Technology

Comments from the Editors and Reviewers:

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