

← **WARM: New Submission Confirmation of "The drought characteristics using the first-order homogeneous Markov chain of monthly rainfall data in Peninsula**



Journals Editorial Office WARM

ke Saya

19/6/2013 20.10



Dear Mrs Wahidah Sanusi,

Thank you for submitting your article:

"The drought characteristics using the first-order homogeneous Markov chain of monthly rainfall data in Peninsular Malaysia"

to "Water Resources Management".

During the review process, you can keep track of the status of your article by accessing:

<http://warm.edmgr.com/>

Your username is: [REDACTED]

Your password is: [REDACTED]

If your article is accepted for publication in Water Resources Management, you may elect to submit it to the "OpenChoice" program. For information about the "OpenChoice" program, please access:

<http://www.springer.com/openchoice>

Thank you very much.

With kind regards,

Journals Editorial Office WARM
Springer
P.O. Box 990
3300 AZ DORDRECHT
The Netherlands
Fax: +31 78 657 6555



Hapus



Arsip



Pindahkan



Teruskan



Lainnya



Journals Editorial Office WARM

ke Saya

22/7/2014 23.00



Dear Mrs Wahidah Sanusi,

We have received the reports from our advisors on your article, "The drought characteristics using the first-order homogeneous Markov chain of monthly rainfall data in Peninsular Malaysia", which you submitted to "Water Resources Management".

Based on the advice received, I feel that your article could be reconsidered for publication should you be prepared to incorporate major revisions. When preparing your revised article, you are asked to carefully consider the reviewer comments which can be found below, and submit a list of responses to the comments.

If one or more reviewers have uploaded files related to their reviews, these files can be found on line.

In order to submit your revised article, please access the following web site:

<http://warm.edmgr.com/>

Your username is: [REDACTED]

Your password is: [REDACTED]

We look forward to receiving your revised article within eight weeks.

With kind regards,

George P. Tsakiris, Ph.D.

Editor-in-Chief

Water Resources Management

COMMENTS FOR THE AUTHOR:

Associate Editor:

The paper has the potential to be published in WARM after careful revision.

In the revised version of the paper the authors are asked to clearly state which is the novelty of the paper for which the paper deserves publication.

The authors are advised to follow strictly the Guide for Authors and the section «Statements etc ».

It should be clear that papers of a size which exceeds 8000 words including figs and tables, cannot be processed further for publication. Each fig/table is counted for 300 words.

Finally, it would be wise for the authors to link their paper to other papers published recently in journals such as WARM. This will facilitate other readers of the journal to put the paper in their reading list and possibly to cite it at a later stage.

Reviewer #1: General comments

The paper "The drought characteristics using the first-order homogeneous Markov chain of



Hapus



Arsip



Pindahkan



Teruskan



Lainnya

reading list and possibly to cite it at a later stage.

Reviewer #1: General comments

The paper "The drought characteristics using the first-order homogeneous Markov chain of monthly rainfall data in Peninsular Malaysia" uses first order homogenous Markov chain to analyse SPI from several locations of Peninsular Malaysia, mainly by means of the drought duration and the return period of moderate and severe drought events. It is an interesting study, the methodology is clear, however some further analysis of the data and the study area is needed and an improvement of the conclusions' section is recommended.

Specific comments

1. [p.5]: The last paragraph of the Introduction does not seem necessary; it could be removed.
2. "Data" does not seem to be appropriate title for Section 2, this could be "Materials and methods" or something similar. Also, the first two paragraphs of the section, that in fact describe the data, could be placed in a next section before the Results, or as a subsection in the Results (see also the following comment). Further, the numbering and the subsections' titles should be checked (e.g. in p.10, subsection 2.4).
3. There should be a description of the study area. Further, Fig.1 could provide much more relevant information to the study if it was a terrain map.
It does not seem to be a homogenous spatial distribution of the stations. Most of them are located close to the west coast and there are only a few at the east and middle part of the peninsula. A comment on that and the possible uncertainties that it may introduce to the analysis could be useful. Also, the method used for spatial interpolation of the results should be mentioned.
4. [p.6, lines 6-19 & Table 1]. The information provided in the text is not the same as shown in Table 1: in Table 1, it is presented the mean annual maximum rainfall and not the median value. In any case, the values presented both in the table and the text should be checked, since some of them do not seem to correspond to reality (e.g. 28,235 mm).
5. [Table 3, caption]: Change "likelihood ratio test (LRT)" with "likelihood ratio (LR) test" for consistency with the rest of the text.
6. A major part of the Conclusions focus on the agreement of the study to similar works in the area and there is a rather extended description of them. The information regarding these studies could be placed in the introductory section and the Conclusions should emphasise on the outcomes of the presented study.
7. I would recommend an overall check of the manuscript for typos and for correcting some phrases. Indicatively:
 - p.3, line 57: The sentence "It has the advantage...consistency." should be rephrased.
 - p.4, line 9: Change "theor" to "this"
 - p.4, line 10: Change "water deficit supply" to "water supply deficit".
 - p.6, line 24: Replace "Indeks" with "Index".
 - p.7, line 12: Replace "contain" with "be".
 - p.8, lines 5-6: The phrase "two conditions when SPI values are less than or equal to -1." is not very clear, consider rephrasing it.
 - p.12, line 38: In "pijj" remove one j.
 - p.13, line 4: In the end of Eq. 21 add a parenthesis.
 - p.15, line 9: Change "with" to "which"
 - p.17, line 2: Change "Standard" to "Standardized"



Hapus



Arsip



Pindahkan



Teruskan



Lainnya

Reviewer #2: The paper is interesting, the methods are fine, but analysis of data is not very clear and there is a lack of conclusions taken from the study.

Some comments:

- 1) Page 5, line 9-36 - unnecessary information
- 2) Page 5 - In "Data" a short description of Peninsular Malaysia weather should be added, and a figure showing spatial average rainfall with the used data may be added.
- 3) Page 6 - In comments about Table 1 the values referred are median annual rainfall but the values presented in Table 1 are mean annual rainfall... The sentence "it can be inferred that there is very large fluctuation in the data during the period studied" should be better explained.
- 4) Page 13, line 48 - "In this study, two hypotheses will be tested." is not a good sentence to begin "Results and discussion" because it sounds like this is the main objective of this work. In addition it seems like the first paragraph should be in "Data".
- 5) Page 14 - In comments about Table 4 average values of probabilities for moderate and severe droughts should be mentioned.
- 6) Page 15, line 24-29 - The sentences "The mean first passage time refers to the average time required by a process to reach any drought category for the first time from its current category. The mean recurrence time is therefore defined as the average time required by the process to return to the same category." should be cleared since the explanation is already in "Data". Instead the range of the results for MRCT and MFCT should be stated and commented.
- 7) Page 16, lines 4-12 - For easier reading the same units for time values (month) should be used.
- 8) Page 16 and 17 - "Conclusions" should be conclusions and not discussion of the results.



Hapus



Arsip



Pindahkan



Teruskan



Lainnya



Aries systems

Lihat semua pesan dari pengirim

→ [Kunjungi situs](#)



Journals Editorial Office WARM

ke Saya

22/9/2014 00.51

www.ariessys.com



Dear Mrs Sanusi,

Water Resources Management acknowledges, with thanks, the receipt of the revised version of your article:

"The drought characteristics using the first-order homogeneous Markov chain of monthly rainfall data in Peninsular Malaysia"

With manuscript number WARM-D-13-00460R1

You may check the status of your manuscript any time by accessing:

<http://warm.edmgr.com/>

Your username is:

Your password is:

We will inform you of the Editor's decision as soon as possible.

With best regards,

Editorial Office

Water Resources Management



Re: Fw: Your article in ^_Water^_ ^_Resources^_ ^_Management^_ has been ...

Final publication of your article

16.02.2015

visit us at springer.com

Your article has been published in the completed journal issue

Dear Dr. Sanusi,

Good news for you: your article **The Drought Characteristics Using the First-Order Homogeneous Markov Chain of Monthly Rainfall Data in Peninsular Malaysia** has now been published in the following paginated issue of **Water Resources Management: Volume 29, Issue 5 (2015), Page 1523-1539**

This information can be used for the citation of your article. Please also add your article's Digital Object Identifier (DOI) in the citation in order to enable readers to easily find your article in print and online.

