



Paper Detail

Paper ID	ICICELB-1805-010
Paper Title	A Novel Prototype of Flood Early Warning System Using Analytical Hierarchy Process (AHP) Based Internet of Things (IoT)
Abstract	Flood disaster becomes an important issue that can cause harm, even the threats to human life. The danger posed depends on the ability to prevent or anticipate the precipitation of the floods so that community readiness is very important in facing the threat of flood disaster. In order to know the level of vulnerabilities or potential flood disaster in the area of prone flood, we develop on a flood early warning system using Analytical Hierarchy Process (AHP). One of approaches to combine the condition of rainfall, water level and flow rate in AHP analysis are to produce a prediction of flood disaster. The use of the Internet of Things (IoT) technology is combined with mobile applications which provide the information about warning flood for the public in real time.
Keyword(s)	Early warning system, Flood, Analytical hierarchy process, Internet of things
Status	AF Proof
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Dear Mr. Muh. Ahyar,

We are pleased to receive your manuscript for possible publication in ICIC Express Letters, Part B: Applications (ICIC-ELB).

Reference No.: ICICELB-1805-010

Title: A Novel Prototype of Flood Early Warning System Using Analytical Hierarchy Process (AHP) Based Internet of Things (IoT)

Author(s): Muh. Ahyar, Muh. Fajri Raharjo, Ibrahim Abduh and Hafsah Nirwana

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Please remember in any future correspondence regarding this article to always include its manuscript number "ICICELB-1805-010".

Many thanks for submitting your manuscript to ICIC-ELB.

Kind Regards,

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Editor-in-Chief, ICIC-ELB

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Acceptance Letter: ICICELB-1805-010

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6 Juli 2018 pukul 19.49

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Dear Mr. Muh. Ahyar,

It is my great pleasure to inform you that your contribution to ICIC Express Letters, Part B: Applications,

Reference No.: ICICELB-1805-010

Title: A Novel Prototype of Flood Early Warning System Using Analytical Hierarchy Process (AHP) Based Internet of Things (IoT)

Author(s): Muh. Ahyar, Muh. Fajri Raharjo, Ibrahim Abduh and Hafsa Nirwana

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The paper is generally well written and organized. The results presented in the paper seem correct, and potentially useful in practice. The techniques employed to tackle the problems are generally standard with some novelties. The paper can be accepted for publication subject to some necessary minor changes as below:

Comments:

- 1) Besides listing related studies, more discussion on them should be given and importantly advantages of the proposed study over them should be clearly stated to show the study motivations and contributions.
- 2) In the proposed flood early warning system, the communication device module should also be introduced briefly.
- 3) It seems that authors combine the system introduction with example illustration. If possible, please talk about them separately. And the data sources should be stated clearly. On the bottom of Page 2, "The data used in this study were obtained using the data from the national disaster management agency" is stated. Does it talk about the data source of [8-10] or this paper?
- 4) In Item a) of Section 3, "The tree of flood disaster risk hierarchy can be seen" in Figure 2 instead of Figure 1.
- 5) Figure 1 and Figure 2 are not clearly shown, whose resolution should be further enhanced. In Figure 3, "Rater" in "Water Flow Rater" is spelt wrongly.
- 6) There exist many grammar errors in the manuscript. For example, the first sentence on Page 7 is structurally wrong. Confusion of part of speech exists in many sentences, for example, "respond" is used as noun in the 3rd last line of Page 7. "wier" and "linier" seem to be spelt wrongly in Paragraph 4 of Section 2.
- 7) It is expected to show the potential future trend in the end of Conclusions.
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Please feel free to contact me if you have any questions about your paper.

Best Regards,
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Dear Muh. Ahyar,

Thank you again for your contribution to ICIC-ELB.

At this stage, we have not a discount rate for the publication fee.

Thank you for your understanding and cooperation.

Kind regards,

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Dear Mr. Muh. Ahyar,

Thank you again for your great support to ICIC Express Letters, Part B: Applications (ICIC-ELB).

The final revision of your paper has been received.

Best Regards,

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Dear Mr. Muh. Ahyar,

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