Editor’s Report

Article No. : #489
Title of Paper : Simulation of Modified TRIGA-2000 with Plate-Type Fuel under LOFA Using EUREKA2/RR-Code

Referee Name :

Comment on Descriptions
1. Title
[ ] Appropriate
[X] Should be changed: The title should describe/mention the “safety analysis”!

2. Abstract
Yes[ X ] No[ ] Is the length reasonable?
Yes[ X ] No[ ] Is it an appropriate summary of the content?

3. Main Text
Yes[X] No[ ] Is there anything new in this work?
Yes[X] No[ ] Is the relation to previous studies adequately stated?
Yes[X] No[ ] Are the assumption(s) and/or method(s) described comprehensively?
Yes[X] No[ ] Are the new results adequately emphasized?

<table>
<thead>
<tr>
<th>Line #</th>
<th>Referee’s Comments</th>
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<tbody>
<tr>
<td>1</td>
<td>Title should be revised!</td>
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<tr>
<td>18</td>
<td>Please explain the meaning of “zirconium hydride moderated”!</td>
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<td>72</td>
<td>Please mention the expansion/elongation of “CHF” in the manuscript!</td>
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<tr>
<td>210</td>
<td>Please explain the meaning of 0 m³/hr!</td>
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<td>276</td>
<td>Table 3: please use 10⁵ instead of “E5”</td>
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<td>301</td>
<td>loos → loss</td>
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</tbody>
</table>

Final comments and recommendations:
The manuscript is worth to be published in Atom Indonesia. However, there are some principle items have to be improved and clarified:

- Please explain more clearly why the core cooling system should be modified from natural circulation to force circulation! Is that still assumption/study or have already proven?
- Please explain more clearly the phenomenon of reactor coolant boiling that was indicated if utilizing natural circulation for 2 MW! Is that still assumption/study or have already evident?
- Please explain clearly why installing the flywheel in the shaft of primary coolant pump is needed!

Please modify the manuscript following the answers for the comments above!

This paper is recommended to be
[ ] Accepted without further revision
[ ] Accepted with minor revision
[X] Major Revision is required
[ ] Rejected