ARRANGEMENT CONCEPTS OF MEURAXA DISTRICT IN BANDA ACEH CITY BY TSUNAMI MITIGATION BASED

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ABSTRACT

Meuraxa district in Banda Aceh city, is the most severely affected by the tsunami than any other region. That’s because the position is on the beach, the extraordinary size of the tsunami, and not mitigatify arranged. Coastal residential land use with high density and without any protection in the most fatal thing, or in other words consideration of zoning district does not consider the level of vulnerability of tsunami. Even the region planning product made of post-tsunami are still problematic.

Arrangement region by tsunami mitigation based problem more emphasison vulnerabiliy of the physical and environmental elements, because it have a greater impact. The aspect of the physical arrangement such as the quality of open space arrangement as a function of protection and rescue, the arrangement quality of building mass arrangement from the floor height, the pattern, dan density, also the quality of infrastructure arrangement from the circulation pattern and the completeness of signage.

Through the identification of problem structuring approach with suitability analysis method, can be known the quality of open space as protection function is minimal, where the limitation of the area be the cause. Quality of building arrangement has serious problem too, where so many building build in the very vurnerable area, plus with the low height of floor dan high density. Circulation pattern of the street is good enough, but not optimal because there is no evacuation information signage instalde there.

With the identification result will formuated the concept of the regional arrangement involving a variety of sources such as the theory of concepts, policies, case studies and expert opinion. The concept used is the expansion of land planted vegetation, not only mangroves but every existing vacant land. In addition to protection, this concept can prevent development of dangerous accretion. The concept of relocation and the use of the type of stage would be more appropriate in buildings, considering the possibility of land and suitability with the local traditional house typology. The concept of utilization of the streets of the environment as an evacuation route, optimization view to building rescue and evacuation marker installation will be the solution for problems of the region infrastructure.

Keywords: tsunami mitigation, arrangement concept, zoning, level of vulnerability,