THE ARRANGEMENT OF KALIMAS RIVERBANK AREA IN SURABAYA BASED ON SUSTAINABLE URBAN RIVER APPROACH

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ABSTRACT

The arrangement of Kalimas riverbank Surabaya as the only river which is cross the town, has been giving an attention of government. It can be seen with some arrangement at the some spot as a park and recreation area in some fragment of the river. But this arrangement is not spread and all over the river, prefer to pay attention at aesthetic factor and less attention at social factor.

Sustainable urban river approach offers development of the riverbank area with one integrated arrangement concept so that area not only interesting to be seen, but also can give a place for people to socialize.

Analizing process is started with identify the study area to find the potential which can be developed by walkthrough analysis technique and semi-structured interview. Then continued with determining the criteria and the arrangement concept of sustainable riverbank area.

The arrangement concept and design guidance that are resulted by this research, referring to the arrangement aspects of sustainable urban river, include repairing the environment quality, landscape design, forming the visual quality, and the connectivity of land with environment context. The application is to keep and add vegetation as a shelter and pollution absorber, to give a priority of the historic building openness as a point of view, adding open space and different floor high level as a former to public space atmosphere. The application of holistic connectivity direct to a visual linkage which connect two or more fragment with underpass. This connectivity also pay attention in aesthetic composition, with diversity and uniqueness of the landscape elements such as vegetation arrangement in a linear and grouped, arrangement of circulation track with curve and dynamic shape, also adding gate element with stairs and ramp, landmark element with fountain, and nodes element with mini stage as an identity of the area.

Keywords: riverbank, sustainable urban river, holistic