



The resilience of urban planning area for impact of global warming—A case study of Fengho Park, Taoyuan County

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The trend of global warming will result in three unfavorable rainfall types in Taiwan. That is, the discrepancy of rainfall amount between southern and northern Taiwan is increasing; the raining days is decreasing; and the rainfall intensity is increasing. In order to explore the impact of these changes at just finished urban planning area, this study analyzed different recurrence intervals of rainfall events at a disaster prevention park, Fengho Park, located at zone-expropriation project of Chunglu area, Taoyuan City.

This study discussed and analyzed the resilience of detention pond at Fengho Park associated with the recurrence intervals of two years, five years, ten years, twenty-five years, fifty years, one hundred years and two hundred years calculated by Modified Triangular Unit Hydrograph Method.