

## **Interaction of Low-Impact Development Techniques and Urban River Flooding on the Zoning - Case Study Qomroud**

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**Abstract :** In recent decades, and with increasing of urban population and development of the city, the amount of impermeable surfaces has been increased. This cause urban runoff enhancement. This enhancement, especially in cities with urban river, increases the possibility of urban flooding caused by the river flooding interaction and urban runoff. In this research, we tried SWMM utilizes software development methods and practices that seek to reduce the impact of runoff to the river flows to reduce Qomroud and Effects using Arc GIS and HEC-RAS software on how we see the flood zone.

**Keywords :** flood management, SWMM, runoff, flood zone

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