Abstract

Every year, more than two millions of Muslims went to the Holy city of Makah for pilgrimage "Hajj". There are a lot of activities that should be done during pilgrimage. One of the rituals performed by Muslim pilgrims during pilgrimage in al-Jamarat area in Mina, adjacent to Makah, is throwing stones at a pillar target. This activity is a symbol of stoning the devil "Throwing Jamarat"; as done by Prophet Ibrahim. Throwing stones in mina during "aladha" eid is the most bottle neck ceremony. It caused a death of many Muslims last few years. This study suggests multi-solutions to solve the problem by using simulation program. Solutions include add more bridges; increase the radius of al-jamrat circles or using gates and semaphores. The suggested simulation presents any combination of the three solutions. The results of the study encourage adopting these solutions.

References

Solutions for Stoning the Devil in Pilgrimage using Simulation

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