**STRUCTURAL ASSESSMENT OF MEHMED PASHA HAMMAM IN PRIZREN, KOSOVO**

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A significant role in the socio-cultural heritage of Kosovo have the historical structures, built through centuries, designated mainly for religious and recreational purposes. Many of these buildings such as mosques, hammams, houses, etc. still present nowadays, were built during Ottoman era (1445-1912) using stone masonry. During their lifespan, these structures have been subjected to deterioration of construction materials, several seismic activities, weather conditions and lack of maintenance.

In this paper it is presented a structural assessment of Mehmed Pasha Hammam, a heritage structure built during 16th century in Prizren, Kosovo. The followed methodology is based on visual inspection of the structural condition, identification and documentation of the visible defects. Additionally, finite element modelling, using SAP2000, to study structural behavior under earthquake loadings.

As a result, critical areas were identified and possible retrofitting solutions were suggested in order to extend the service life and preserve this structure for future generations.

***Keywords:*** *Stone Masonry; Finite Element Modeling, Structural Assessment*