

**ABSTRAK**

*Judul : Evaluasi Perubahan Desain Akibat Penambahan Beban Kolam Renang (Studi Kasus Hotel Ibis Transpark Bekasi).*

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*Perubahan beban pada struktur sangat berdampak pada gaya dalam yang harus dipikul, elemen struktur untuk itu rencana perubahan desain akibat penambahan kolam renang pada proyek Hotel Ibis Transpark Bekasi. Perlu dievaluasi dampaknya terhadap kemampuan elemen beban, penelitian ini bertujuan untuk mengetahui pengaruh beban kolam renang pada struktur gedung hotel struktur eksisting. Untuk mencapai tujuan tersebut memerlukan analisis menggunakan software Etabs V9.5.0 penambahan kolam renang. Dari hasil desain ulang dengan beban kolam renang disimpulkan bahwa dari pengecekan kapasitas Balok dan Kolom terdapat gaya geser dan torsi melebihi batas izin desain, jadi harus ada pembesaran dimensi Balok dan Kolom agar penambahan beban yang direncanakan dapat menahan beban tambahan.*

**Keyword :** *Evaluasi Perubahan Desain Akibat Penambahan beban Kolam Renang.*

**ABSTRACT**

*Title: Evaluation of Design Changes Due to Pool Load Increase (Case Study of the Ibis Transpark Bekasi Hotel).*

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*Changes in the load on the structure greatly affect the style that must be nailed, structural elements for the planned design changes due to the addition of a swimming pool at the Hotel Ibis Transpark Bekasi project. It is necessary to evaluate its impact on the ability of the load element, this study aims to determine the effect of the swimming pool load on the existing hotel building structure. To achieve these objectives requires analysis using Etabs V9.5.0 addition pool software. From the results of the redesign with the pool load it was concluded that from the Beam and Column capacity checking there was a shear force and torque exceeding the design permit limit, so there had to be an enlarged Beam and Column dimension so that the planned additional load could withstand additional loads.*

**Keyword:** *Evaluation of Design Changes Due to Pool Load Addition.*