

## **ABSTRACT**

*To solve data replication and redundancy in Indonesia, government has introduced Single Identity Number(SIN) concepts. Purpose of these concepts are to make SIN as the only one reference to access National Civil Database and make SIN as the one and only identity for a citizen to interact with government institution.*

*These Final Assignment analyzed SIN concept to be applied for Sistem Informasi Administrasi Kependudukan (SIAK) from view of database architecture, system architecture, user authorization, SIN number pattern and biometric integration. These Final Assignment also implemented SIN concepts through simulating the prototype of SIAK.*

*From the analyzing result, it can be seen that distributed database architecture with online communication, 3-Tier system architecture, user authority with different level, Nomor Induk Kependudukan (NIK) and integration of biometric data can be used to applied SIN concepts. By unify these five items, SIAK apply SIN concepts by providing civil data to be used by another government institutions and prevent a citizen having more than one ID.*

**Keywords :** *Single Identity Number, Sistem Informasi Administrasi Kependudukan*