As one important data in the Ministry of National Education, NUPTK database grows and enlarges. If the data is kept unattended, then it will be meaningless and the purpose of building this database will be unaccomplished. Therefore, a structural data restoration is needed in order to improve the efficiency of data collection and management, especially in building a pattern of data connections and looking for frequent itemset in a database. This research applies association rules to obtain a pattern of data attributes and frequent itemset in NUPTK database. Apriori paradigm is used to find large itemset in determining association rules. Integrated association rule with apriori paradigm has found some attributes patterns in NUPTK database. The $lift$ value = 1.9 of rules with differential interpretation 0.002 can be used in determining teacher certification pattern.

**Key Word**: NUPTK, Association rule, Apriori, large itemset, frequent itemset