

## **Abstract**

Bigger challenge of database's performance is faced each time. A growth of amount of data with processing by centralized database will not become optimal such high response time value. It is an opposite of one of data process target such low response time value. For that problem another architecture besides centralized database is needed.

Parallel database is an alternative besides centralized database that works with multiprocessors. Parallel database has three variants of implementation such shared disk, shared memory, and shared nothing. Each variant has its own strength and weaknesses. Especially in shared nothing, it could be seen as distributed database because its own characteristic that use multi computers with each component that works locally but can gather with another computers as work unit.

The use of different computer specification and typical query processing are main issue on this final project.

**Keywords:** Parallel database, performance, shared nothing