

## CHAPTER 6

### CONCLUSION

From this research it can be concluded that the use of Redis and RabbitMQ can be used based on how much data is received. In terms of latency, Redis is able to outperform RabbitMQ when the data transmitted is small. While RabbitMQ will be more suitable when used on data that tends to be larger. In terms of CPU usage and memory usage, Redis is more suitable when the data sent is small. While RabbitMQ will be more stable when the data sent is large. In essence Redis is more suitable for use on small-scale systems, Redis is able to transmit data quickly and requires fewer resources. While on large-scale systems, RabbitMQ's performance will be more stable.

In this study also has shortcomings. When the message broker dies, the data processed during transmission will also be lost. This is because the message broker sends data through memory, and the data is not recorded in the database.

