V. Conclusion and Recommendation

The researchers have concluded that choosing a programming language to use depends heavily on what the programmer wants to build. If a small system containing basic operations is to be built, the best choice would be Python because of its very compact syntax. The heavier the system gets, Java can be a good choice. But for the biggest systems, C++ is the best because of its fast execution time. And since Php is a server side scripting language used heavily within the internet, it could not be directly compared to the other three languages, which could not do what Php was designed to do. Between Java and C++ to be used on moderate sized systems, personal preference may be implied.

The researchers recommend this study to be tested on bigger systems which are not readily available to properly test and compare each function and feature of the different programming languages. Also, compile time and memory consumption become factors on big systems so they can now be compared properly. Since the difference in memory consumption and compile time in this study were so low that they are negligible. No valid conclusion can be made in that aspect, but testing with a larger system will be able to project larger differences in the said criteria between the different languages.