CHAPTER VI

CONCLUSION AND SUGGESTION

VI.1. Conclusion

Curcuma L extract has regenerative effect to SD rat's liver cell damage induced by passive cigarette smoking, this conclusion is based on:

a. SD rats that received *Curcuma L extract* have significant lower liver cell change than those of SD Rats did not recived *curcuma longa rhizome extract* after exposure to passive cigarette smoking

b. SD rats that received *Curcuma L extract* have significant lower liver cell TNF-α expression score than those of SD Rats did not recived *curcuma longa rhizome extract* after exposure to passive cigarette smoking

VI.2. Suggestion

Further study is necessary to be conducted to clarify molecular mechanism of regenirative effect of Curcuma L on cigarette smoke-induced liver injury is not be clarified through inhibition of cell signaling pathways involving Akt, NF-□B,AP-1 or JNK, and down regulation of the expression of survival genes egr-1, c-myc, bcl-X(L) and IAP or abnormal tumor suppressor genes such as p53.