

V. CONCLUSIONS AND SUGGESTIONS

5.1. Conclusions

The conclusion of this research are:

1. pQEE7syn2 HPV 16 recombinant plasmid can be expressed on *E. coli* BL21 CP.
2. The optimum condition for the expression of recombinant protein pQE E7 HPV 16 was with 0.7 mM IPTG concentration and 3 hours induction time.
3. Purification of recombinant pQE E7 HPV 16 protein was obtained at the second and third elution.

5.2. Suggestions

Suggestions that can be given from this research are:

1. It is necessary to optimize the purification method of recombinant proteins with native and denature methods.
2. Purification of proteins on a large scale should use columns method.
3. The purified protein should be continued with a series of immunological assay.

