CHAPTER 5 CONCLUSIONS AND SUGGESTIONS

A. Conclusions

- 1. TRPV has 6 members which are further divided into two major groups, namely thermoTRPV and calcium selective. ThermoTRPV is a member of TRPV that is sensitive to a temperature ranging from dangerous to non-dangerous temperatures. The calcium selective group is a member of TRPV that is sensitive to calcium and has the main task of large-scale body calcium homeostasis. In thermoTRPV, there are TRPV1-TRPV4, while for calcium selective there are TRPV5 and TRPV6 which have almost the same characteristics and roles.
- 2. In body cells, TRPV has an important role as a mechanosensor, sensitive to heat, skin and hair cell growth, sensitive to pain, and maintaining calcium balance in the body.
- 3. Besides having a role in normal body cells, the role of TRPV is also found in human cancer cells. The overexpression found from several TRPVs in cancer cells makes TRPV a good biomarker, prognosis, and therapeutic target in cancer cells such as apoptosis, proliferation, invasion, migration and metastasis. The general mechanism of TRPV in cancer starts from the inhibition of TRPV expression in cancer cells which causes a decrease in the expression of TRPV. The decrease in expression causes the growth of cancer cells to be inhibited.

B. Suggestions

Suggestions for further research are that it is necessary to do more research on the role of TRPV in cancer, especially for TRPV3 and TRPV5 which until now still have very minimal discovery. Then it can also be studied about the clinical manifestations in cancer patients receiving TRPV treatment so that they can immediately study the discovery of cancer drugs with the active target of TRPV.