CHAPTER V
CONCLUSION

V.1. Conclusion

1. Synthesis of mesoporous silica nanoparticles modified with alginate has been done, this was confirmed by FTIR.
2. Modified MSN with alginate can released the curcumin optimally at pH 7.4.
3. The result of release profile showed higher concentration of alginate and greater ratio of MSN and APTES made the release profile become slow.
4. The best composition of modified MSN for deliver curcumin was sample with ratio of MSN and APTES 1.2 mg : 3.0 ml and alginate concentration of 1 mg/ml.

V.2. Recommendation

In the process of modification MSN, to drying the product faster than usual, it should be moved to another place with a larger surface, because if it is only left in the place with small surface area at room temperature, it will make drying process become longer
REFERENCES


