



### **CHAPTER III**

### **METHODOLOGY**

The study of this thesis was totally experimental base. The research methodology comprised two main parts. Firstly, scaffolds were fabricated from the selected materials i.e. hyaluronan, gelatin and Poly(1,4-Butylene Succinate) extended with 1,6-Diisocyanatohexane with the freeze-drying or the solvent casting and particulate leaching technique for the hyaluronan-gelatin blend and the PBSu respectively. Secondly, properties of scaffolds were then characterized for either the feature of scaffolding or drug-controlled release, or both.

As the details of the experimental sections i.e. materials, equipment, instrument including the experimental procedure are all described in the manuscripts of the chapter IV to VII. They are not illustrated here in order not to excessively duplicate the research information. Please refer to each manuscript for an individual description of experimental details.