LIST OF TABLES

Chapter III:

- **Table 1.** Components of monosaccharide and properties of PS isolated from the mushroom *T. clypeatus*.
- **Table 2.** GLC-MS results of PS isolated from the mushroom *T. clypeatus*.
- **Table 3.** The ¹H NMR and ¹³C NMR chemical shifts for the PS isolated from the mushroom *T. clypeatus* in D₂O at 30 ⁰C.
- **Table 4.** Coupling constant data for the PS isolated from the mushroom *T. clypeatus*.
- **Table 5.** NOESY data for the PS isolated from the mushroom *T. clypeatus*.
- **Table 6.** The ¹³C NMR chemical shifts of Smith-degraded glycerol-containing tetrasaccharide of the mushroom *T. clypeatus* in D₂O at 30 ⁰C.

Chapter IV:

- **Table 1.** Components of monosaccharide and properties of PS-II isolated from the mushroom *T. rufum*.
- **Table 2.** GLC-MS results of PS-II isolated from the mushroom *T. rufum*.
- **Table 3.** GLC-MS results of periodate oxidized methylated PS-II isolated from the mushroom *T. rufum*.
- **Table 4.** The 1 H NMR and 13 C NMR chemical shifts of PS-II isolated from an edible mushroom *T. rufum* in D₂O at 30 ${}^{\circ}$ C.
- **Table 5.** ROESY data of PS-II isolated from an edible mushroom *T. rufum*.
- **Table 6.** The significant ${}^{3}J_{H,C}$ connectivities observed in an HMBC spectrum for the protons/carbons of the sugar residues of the PS-II isolated from the mushroom *T. rufum*.

Table 7. The ¹³C NMR chemical shifts of Smith-degraded glycerol-containing monosaccharide of PS-II from an edible mushroom *T. rufum*. in D₂O at 30 °C.

Chapter V:

Table 1. Components of monosaccharide and properties of PS-I isolated from the mushroom *L. sajor-caju*.

Table 2. GLC-MS results of PS-I isolated from the mushroom *L. sajor-caju*.

Table 3. GLC-MS results of periodate oxidized methylated PS-I isolated from the mushroom *L. sajor-caju*.

Table 4. The 1 H NMR and 13 C NMR chemical shifts for the PS-I isolated from the mushroom *L. sajor-caju* in D₂O at 30 ${}^{\circ}$ C.

Table 5. ROESY data for the PS-I isolated from an edible mushroom *L. sajor-caju*.

Table 6. The 13 C NMR chemical shifts of Smith-degraded glycerol-containing trisaccharide (SDPS) of PS-I isolated from an edible mushroom *L. sajor-caju* in D₂O at 30 $^{\circ}$ C.