List of Tables

Table 1: Quantitative values of foliar epidermis of *Tricalysia sphaerocarpa*
Table 2: Histochemical colour reactions of various parts of *Tricalysia sphaerocarpa*
Table 3: Fluorescence analysis of Leaf powder of *Tricalysia sphaerocarpa*
Table 4: Fluorescence analysis of Stem powder of *Tricalysia sphaerocarpa*
Table 5: Fluorescence analysis of Root powder of *Tricalysia sphaerocarpa*
Table 6: Fluorescence analysis of Fruit powder of *Tricalysia sphaerocarpa*
Table 7: Proximate analysis of various parts of *Tricalysia sphaerocarpa*
Table 8: Extractive values of various parts of *Tricalysia sphaerocarpa* by batch process
Table 9: Extractive values of various parts of *Tricalysia sphaerocarpa* by successive process
Table 10: pH Determination of water extract of *Tricalysia sphaerocarpa*
Table 11: Phytochemical colour reactions of various extracts of Leaf of *Tricalysia sphaerocarpa*
Table 12: Phytochemical colour reactions of various extracts of Stem of *Tricalysia sphaerocarpa*
Table 13: Phytochemical colour reactions of various extracts of Root of *Tricalysia sphaerocarpa*
Table 14: Phytochemical colour reactions of various extracts of Fruit of *Tricalysia sphaerocarpa*
Table 15: GC-MS Analysis of Methanol extract of Leaf of *Tricalysia sphaerocarpa*
Table 16: GC-MS Analysis of Methanol extract of Stem of *Tricalysia sphaerocarpa*
Table 17: GC-MS Analysis of Methanol extract of Root of *Tricalysia sphaerocarpa*
Table 18: GC-MS Analysis of Methanol extract of Fruit of *T. sphaerocarpa*
Table 19: Combined table for GC-MS Analysis of Methanol extract of *Tricalysia sphaerocarpa*
Table 20: Chemical groups obtained from GC-MS Analysis of Methanol extract of *Tricalysia sphaerocarpa*
Table 21: Antioxidant activity of various extracts using DPPH assay
Table 22: Antioxidant activity of various extracts using Iron chelating activity
Table 23: Antioxidant activity of various extracts using Hydrogen peroxide assay
Table 24: Antioxidant activity of various extracts using Superoxide dismutase assay
Table 25: Effect of Methanolic extract of *Tricalysia sphaerocarpa* on Immobility time in FST
Table 26: Effect of Methanolic extract of *Tricalysia sphaerocarpa* in Immobility time in TST
Table 27: Effect of Methanolic extract of *Tricalysia sphaerocarpa* in Hole Board Test (HBT)
Table 28: Effect of Test extract of *Tricalysia sphaerocarpa* on blood glucose level in normal fasted rats
Table 29: Effect of Test extract of *Tricalysia sphaerocarpa* on blood glucose level in Alloxan-induced diabetic rats (Single-dose short term study)
Table 30: Effect of multidose administration of Test extract of *Tricalysia sphaerocarpa* on blood glucose level in Alloxan-induced diabetic rats (long term study of 15 days daily once)
Table 31: Effect of formulation Test extract of *Tricalysia sphaerocarpa* on body weight in Normal and Alloxan induced diabetic rats
Table 32: Effect of formulation Test extract of *Tricalysia sphaerocarpa* on Biochemical parameters in Alloxan induced diabetic rats.