2.6 CONCLUSION

- Protocol for indirect & direct organogenesis developed by culturing shoot apex, leaf & stem explants on MS media with suitable combinations of hormones.

- Leaf explant developed into callus on MS medium supplemented with KN 4.0mg/l + NAA 2.0mg/l and BAP 4.5mg/l + IBA 2.5mg/l.

- Leaf callus developed into multiple shoots on MS medium supplemented with KN 3.0mg/l + IBA 1.5mg/l and produces 2.8±0.3 shoots and

- Stem explant developed into callus on MS medium supplemented with KN 4.0mg/l + NAA 2.0mg/l and BAP 5.0mg/l + NAA 2.5mg/l.

- Stem callus developed into multiple shoots on MS medium supplemented with KN 1.5mg/l + NAA 1.5mg/l produces 11.4 ± 0.4 shoots.

- Shoot apex explant developed into multiple shoots on MS medium supplemented with BAP 2.5mg/l + IBA 1.0mg/l and produced 23±0.45 shoots.

- *In vitro shoots induced in vitro* flowering on MS medium supplemented 2.0mg/l IBA + 1.0mg/l BAP with charcoal 10 mg/l with charcoal

- *In vitro flowering* did not bloom on MS media with PVP.