

CONCLUSION

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By the present work it has been demonstrated that the quality larvae of the most economically valuable fish, *E. suratensis* can be produced in hatcheries using herbal maturation diet. The herbal maturation diet developed in this study promoted the growth, biochemical parameters and quality larval production of the fish *E. suratensis* than the synthetic hormones.

The synthetic hormones used in the study almost equally improved the maturation process and larval production. But the quality of larvae was inferior when compared with the larvae obtained from the spawners which were treated with herbal maturation diet and when considering the present scenario of producing food products in ecofriendly method is the best option, and hence the present study advocate the fish producers to use natural and ecofriendly treatment than the conventional chemically synthesised hormones.