

industry could be a good solution to reducing this environmental impact. The following are the inferences of the tests.

- In Compressive Strength Test, we tested the cube for a period of 7days, 14days and 28days of each three specimens. It concludes that the addition of 0.8% of RECRON 3S fibre and 10% of plastic has high compressive strength value than other percentage mix value.
- In Split Tensile Strength Test, we tested the cylinder in the period of 7days, 14days and 28days of each three specimens. It concludes that the addition of 0.8% of RECRON 3S fibre and 10% of plastic has high split tensile strength value than other percentage mix value.
- In Flexural Strength Test, we tested the prism in the period of 7days, 14days and 28days of each three specimens. It concludes that the addition of 0.8% of RECRON 3S fibre and 10% of plastic has high Flexural strength value than other percentage mix value.
- The reason for adding RECRON 3S fibre in percentage of 0.4 and 1.2 gets low value compare to adding 0.8 in reinforced concrete due to water cement ratio value.

7.0 REFERENCES

- 1) S. Prem Kumar, A. J. Jeyarthi, “ Experimental Investigation of Reinforced Concrete Using Recron 3s”, International Journal of Latest Engineering and Management Research, Vol.02, pp.45-52, 2017.
- 2) Korrapati Anil Kumar, Dr. Shaik Yajdani, “Study on Properties of Concrete using Recron 3s Fibre”, International Journal of Science Technology & Engineering, Vol.4, pp.54-62, 2017.
- 3) Rakesh Kumar Gupta, Mohd Ziaulhaq, “Study of Properties of Polypropylene- Natural fiber composite”, International Research Journal of Engineering and Technology, Vol.4, pp.3507-3511, 2017.
- 4) V. Prahatheswaran , Dr.P.Chandrasekaran, “Study On Structural Behaviour Of Fiber Reinforced Concrete With Recron 3s Fibres”, SSRG International Journal of Civil Engineering- (ICRTECITA-2017) – Special Issue, 2017.
- 5) Ridha Nehvi, Prashant Kumar and Umar Zahoor Nahvi, “Effect of Different Percentages of Polypropylene fiber (Recron 3s) on the Compressive, Tensile and Flexural Strength of Concrete”, International Journal of Engineering Research & Technology, Vol.5, pp.124-130, 2016.
- 6) U. Bhavitha, Mohammed Safiuddin, “Study of Strength Properties of Polyester Fibre Reinforced Concrete”, Journal for Research, Vol.2, pp.12-16, 2016.
- 7) Huang, L., Yang, X., Yan, L., He, K., Li, H., & Du, Y. “Experimental study of polyester fiber-reinforced polymer confined concrete cylinders” Textile Research Journal, 86(15), pp.1606–1615, 2016.