



Fig. 6 Load-deflection curves

V. CONCLUSION

According to the test results in this study, it is observed that the addition of basalt fibers was not able to improve the strength and ductility of RC beam. Contrarily, it resulted in a behavior poorer than the behavior of reference beam. This can be attributed to the inadequate bonding between aggregate and concrete due to the adhering of basalt fibers to aggregate while mixing the fibers with concrete.

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