

Review of: "Shear performance of polypropylene fiber reinforced high-strength self-compacting concrete beams"

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Potential competing interests: No potential competing interests to declare.

Shear performance of polypropylene fiber reinforced high strength self-compacting concrete beams.

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Article is interesting. Few observations are given below:

1. The abstract is unclear. An abstract is a brief description of your finished study. It is meant to summarize your work without going into too much detail. Abstracts should be self-contained and simple, describing your work as briefly and clearly as possible. The abstract is unclear. The abstract lacks objectives and purposes. The abstract needs modification with some quantitative data.
2. More research is needed in the introductory section to emphasize the significance of this study. Authors should have a look at these new research on concrete.
 - Jusoh, S. N., Mohamad, H., Marto, A., Yunus, N. M., & Kasim, F. (2015). Segment's joint in precast tunnel lining design. *J Teknol*, 77(11), 91-98.
 - Mohamad, H., Soga, K., & Bennett, P. J. (2009). Fibre optic installation techniques for pile instrumentation. In *Proceedings of the 17th International Conference on Soil Mechanics and Geotechnical Engineering (Volumes 1, 2, 3 and 4)* (pp. 1873-1876). IOS Press.
 - Othman, I., Majid, R., Mohamad, H., Shafiq, N., & Napiah, M. (2018). Variety of accident causes in construction industry. In *MATEC Web of Conferences* (Vol. 203, p. 02006). EDP Sciences.
 - Namazi, E., Mohamad, H., Jorat, M. E., & Hajihassani, M. (2011). Investigation on the effects of twin tunnel excavations beneath a road underpass. *Electronic Journal of Geotechnical Engineering*, 16(1), 1-8.
3. The author should increase the literature review; research like this, specifically on beams cracking, needs some deep literature review.
4. In the heading of the Experimental Program (Main Heading 2), the author should clearly mention the methodology of this study and discuss the experiments in detail.
5. At pages 4 and 5, what are the units of the values mentioned in the diagrams?
6. The author should also test the polypropylene fiber mechanical properties and add these properties to this research in

the form of a table.

7. The author should add more experimental pictures with good resolution or image quality.

8. The author must summarize results in a more systematic way with reference to the previous studies. Also, conclusions are too limited to prove the significant outcome of this study.