

CORRECTION

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# Correction to: Enhancing the Performance of Knee Beam–Column Joint Using Hybrid Fibers Reinforced Concrete

S. M. Iqbal S. Zainal<sup>1,2</sup>, Farzad Hejazi<sup>1\*</sup> and Raizal S. M. Rashid<sup>1</sup>

**Correction to: *Int J Concr Struct Mater* (2021) 15:20**  
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Following publication of the original article (Zainal et al., 2021), the authors identified several errors in the article:

1. dr. S. M. Iqbal S. Zainal is also affiliated to Department of Civil Engineering, Universiti Malaysia Sabah, 88400, Sabah, Malaysia.

The author group and the affiliations list are presented correctly in this correction article.

2. The legends of Figure 2 should be updated as below

Figure 2c—Casting of HyFRC on the beam–column joint region

Figure 2d—Strain gages installed on the steel reinforcements

Figure 2e—Moist-curing of the HyFRC specimens using wet burlap

3. In Table 10 the ‘Trend line equation’ and the ‘Correlation factor’ were merged. Below the correct version of the Table 10.

**Table 10** Trend line comparison

Specimen	Test	Trend line equation	Correlation factor
FFC	Experimental	$y = -2E-10x^6 - 4E-08x^5 - 5E-08x^4 + 0.0002x^3 + 0.0135x^2 + 1.3028x + 1.6788$	0.9964
	Numerical	$y = 1E-09x^6 - 6E-08x^5 - 1E-05x^4 + 0.0003x^3 + 0.0311x^2 + 1.229x + 4.2755$	0.9905
F6U3	Experimental	$y = 4E-10x^6 - 2E-08x^5 - 6E-06x^4 + 8E-05x^3 + 0.0276x^2 + 1.3686x + 1.5331$	0.9841
	Numerical	$y = 2E-10x^6 - 1E-08x^5 - 4E-06x^4 + 4E-05x^3 + 0.0161x^2 + 1.0919x + 4.338$	0.9844
F6S3	Experimental	$y = 2E-10x^6 - 3E-08x^5 - 4E-06x^4 + 0.0002x^3 + 0.0222x^2 + 0.8263x - 2.3051$	0.9803
	Numerical	$y = 1E-10x^6 - 2E-08x^5 - 3E-06x^4 + 0.0001x^3 + 0.0141x^2 + 0.6292x + 0.0722$	0.9896
F6E3	Experimental	$y = -2E-10x^6 - 3E-08x^5 + 2E-06x^4 + 0.0003x^3 - 0.0035x^2 + 0.674x + 0.9413$	0.9830
	Numerical	$y = -3E-11x^6 - 2E-08x^5 + 2E-07x^4 + 0.0002x^3 + 0.0009x^2 + 0.3875x - 0.7654$	0.9898
F6N3	Experimental	$y = -1E-10x^6 - 2E-08x^5 + 2E-06x^4 + 0.0002x^3 - 0.0023x^2 + 0.4527x + 2.707$	0.9934
	Numerical	$y = -9E-11x^6 - 8E-09x^5 + 1E-06x^4 + 0.0001x^3 - 0.0036x^2 + 0.3778x + 4.0899$	0.9973

The original article can be found online at <https://doi.org/10.1186/s40069-021-00457-w>.

\*Correspondence: farzad@fhejazi.com

<sup>1</sup> Department of Civil Engineering, Universiti Putra Malaysia, 43400 Putra, Selangor, Malaysia

Full list of author information is available at the end of the article



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The original article (Zainal et al., 2021) has been corrected.

**Author details**

<sup>1</sup>Department of Civil Engineering, Universiti Putra Malaysia, 43400 Putra, Selangor, Malaysia. <sup>2</sup>Department of Civil Engineering, Universiti Malaysia Sabah, 88400 Sabah, Malaysia.

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