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**Microstructure study on volcano ash geopolymer aggregate at different sintering temperature** (Conference Paper)

Rafiza, A.R.<sup>a</sup>, Al Bakri, A.M.M.<sup>a</sup>, Kamarudin, H.<sup>a</sup>, Nizar, I.K.<sup>b</sup>, Hardjito, D.<sup>c</sup>, Wan Badaruzzaman, W.H.<sup>d</sup>, Zarina, Y.<sup>a</sup>

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**Abstract** [View references \(15\)](#)

Recent research shows that the by-product materials such as fly ash can be used as raw material in producing aggregates and lightweight aggregates. The usage of this material can improve the quality of

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**Comparison of original and sintered LUSI mud from East Java, Indonesia as raw material for making a geopolymer**  
Rafiza, A.R., Mustafa Al Bakri, A.M., Kamarudin, H. (2013) *Advanced Science Letters*

**Characterization of LUSI mud volcano as geopolymer raw material**  
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