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## Certificate

*It is here by certified that the paper ID : IJRASET57043, entitled  
Numerical Simulation of Helical Coil Tube in Tube Heat Exchangers with Grooved Internal  
Tube*

*by  
Renjith Babu*

*after review is found suitable and has been published in  
Volume 11, Issue XII, December 2023*

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*Good luck for your future endeavors*

*By [Signature]*

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