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## Certificate

*It is here by certified that the paper ID : IJRASET84754, entitled  
Energy-Efficient, Fair, and QoS-Aware RL-Based Power Control for Massive MIMO Networks*

*by  
Emad Addin Al-Sharafi*

*after review is found suitable and has been published in  
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*Good luck for your future endeavors*

*By [Signature]*

Editor in Chief, IJRASET