

IV. CONCLUSION

This research found that the livestream video and rice classification system can run well. It works according to the authors expectations, and as a surveillance medium. The QoS value obtained from the connectivity test has stated, according to the TIPHON index, that the quality of the video livestream is running well and meets the good quality of the QoS index, so the results of the video QoE are also good. Using non-base64 data in WebSocket delivery has reduced yield but can reduce the data size by up to 200,000 bytes/s, reducing the burden on livestream video delivery. This research offers research on other's deep learning algorithm performance on the limited device such as raspberry pi. This research suggests better compression or codec and data transmission methods to increase Livestream's real-time capability further. Ultimately, this research also suggests using hybrid post-processing on the Yolo algorithm to increase processing capabilities [34].

ACKNOWLEDGMENT

Jakarta State Polytechnic supports this research through *Penelitian Produk Vokasi Unggulan Perguruan Tinggi* research program 2022 with grant number B.378/PL3.18/PT.00.06/2022.

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