

Figure S1. The trend of changes in the influent and effluent wastewater parameters of the model developed in GPS-X

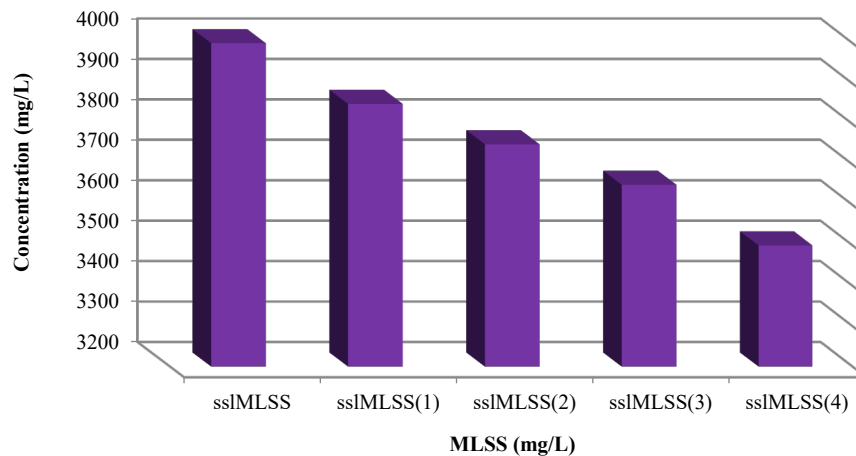


Figure S2. Variation trend of MLSS in the modeled process using GPS-X software

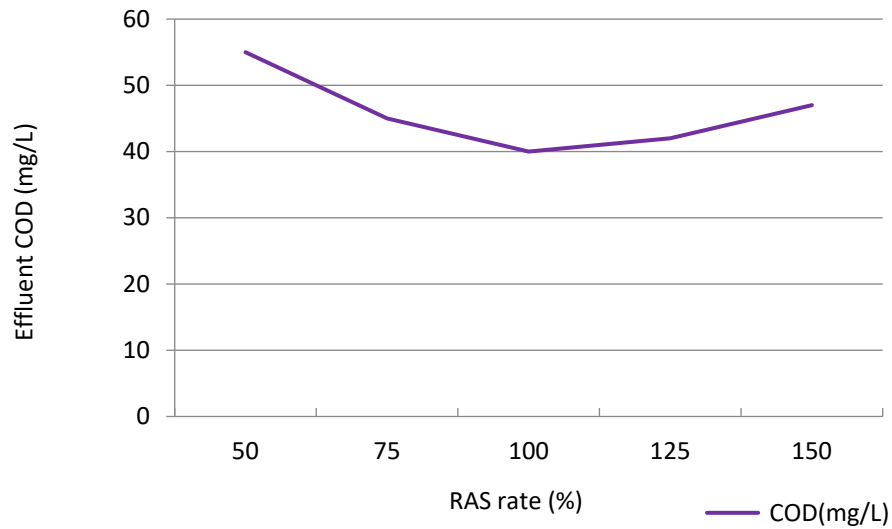


Figure S3. Effect of RAS rate on the effluent COD of the fish canning factory wastewater

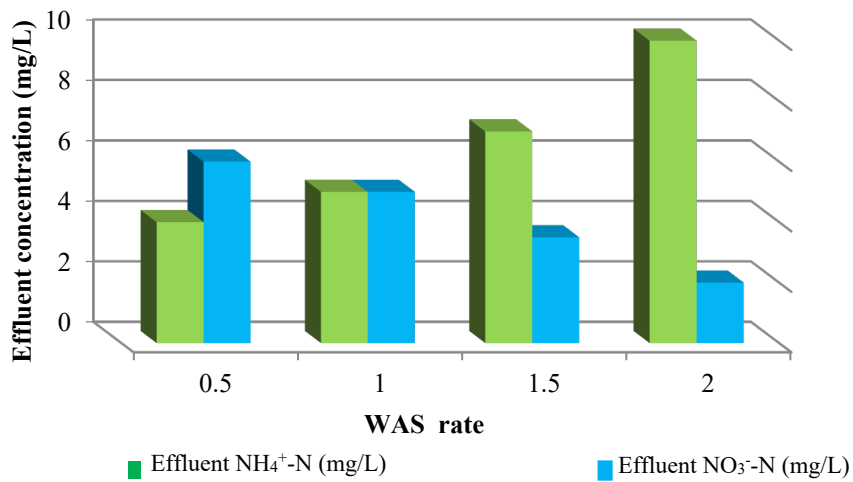


Figure S4. Analysis of effluent nitrogen compounds in the wastewater treatment process of the fish canning factory

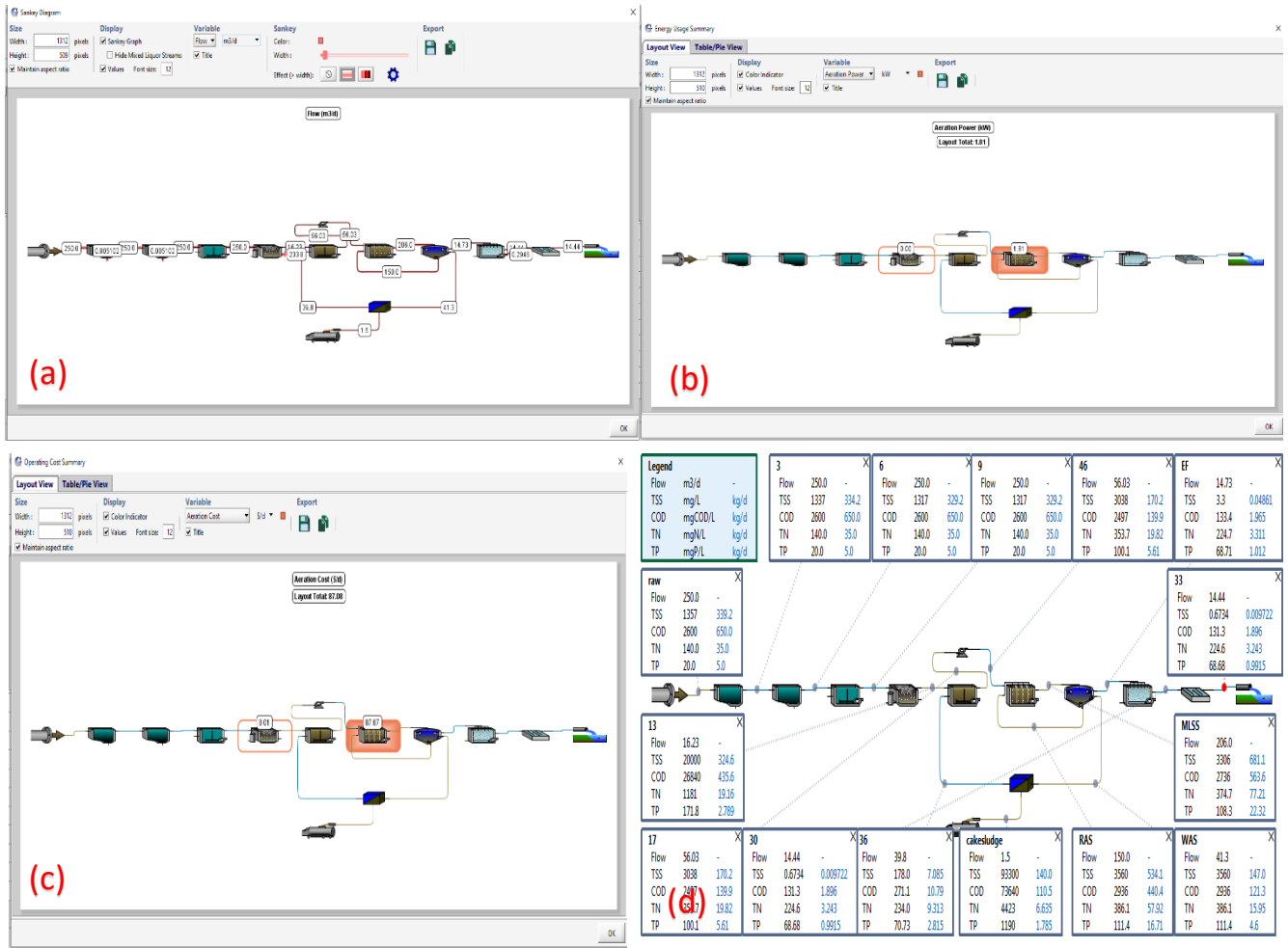


Figure S5. (a) Sankey Diagram, (b) Energy Usage Summary, (c) Operation Cost Summary, (d) Mass Balance Diagram