Sukaregang Area in Garut District is one of the area developed to be the central of small industries (CSI) of tannery since 1920. The handling of tanneries wastewater contamination are by developing wastewater treatment installation (WWTI) and developed service zones, and the WWTI has only built in Zone 1 and 2 with the capacity of 300 m$^3$/day and 400 m$^3$/day. The lack of land to build another WWTI, has made the government to increase the service of Zone 2 WWTI, which now not operated. Operationalization of Zone 2 WWTI for the increase of it service needs to consider the changes of the wastewater quality and the quantity characteristics. The results of wastewater characteristics measurement from several tanneries in Zone 2, are the increase of the average wastewater flow into 508.94 m$^3$/day and the dominant parameters of the mixed wastewater quality from several production processes of common tanneries are BOD, COD, TSS, and heavy metal Chrom. The assessment to the suitability of the existing WWTI capacity for the update treatment loading results the recommendation of selected design as the addition of the capacity of the equalization unit, the changes of the existing coagulation unit into Chrom reduction-precipitation units, and the modification of sedimentation unit to increase the laminarity and to decrease flow turbulence, in other hand the existing biological treatment unit is kept considering the operation parameters value still full-filled the criteria, through sludge recirculation adjustment.

**Keywords**: tannery, wastewater treatment, assessment, recommendation.