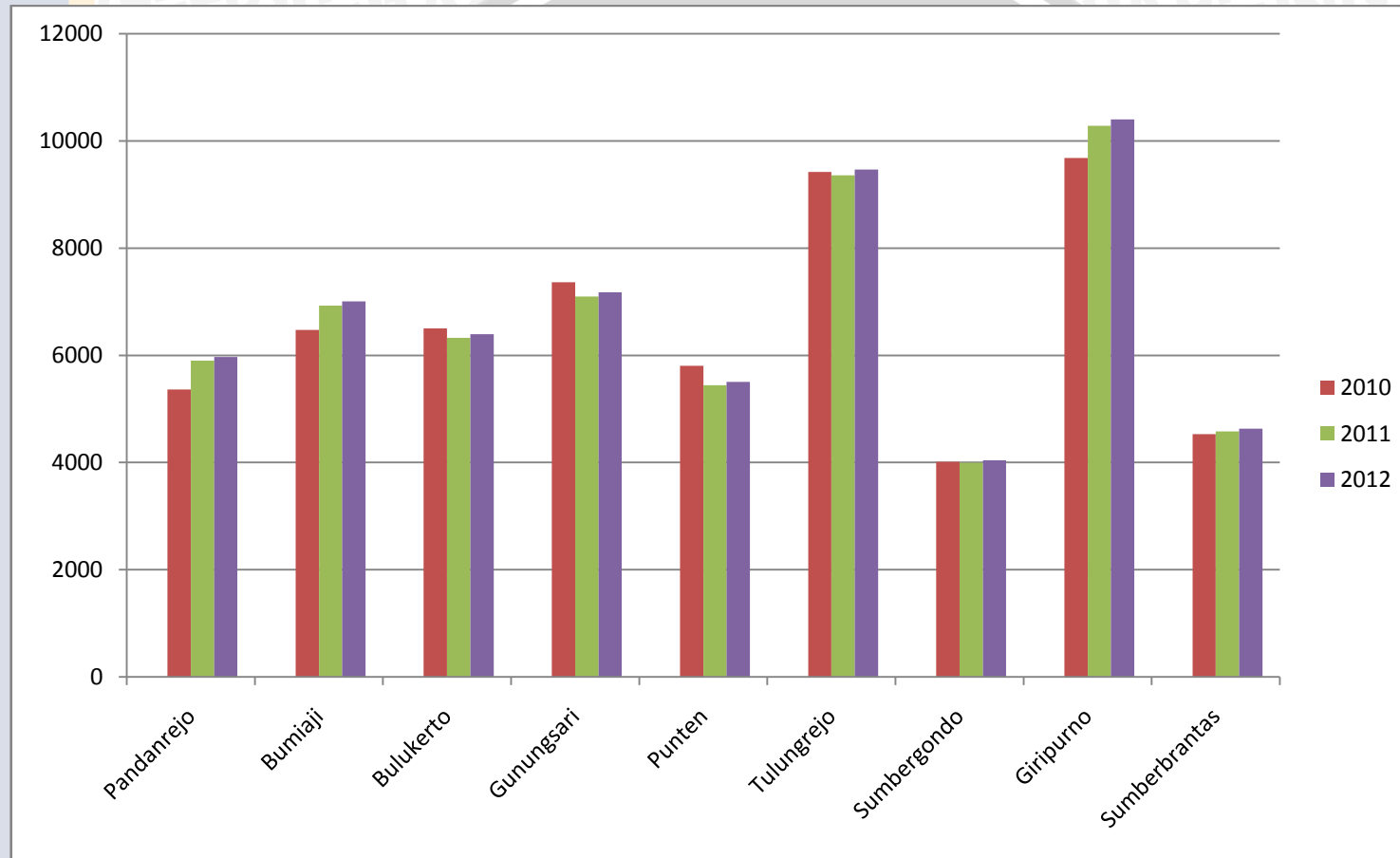


Lampiran 1. Jumlah Penduduk Kecamatan Bumiaji

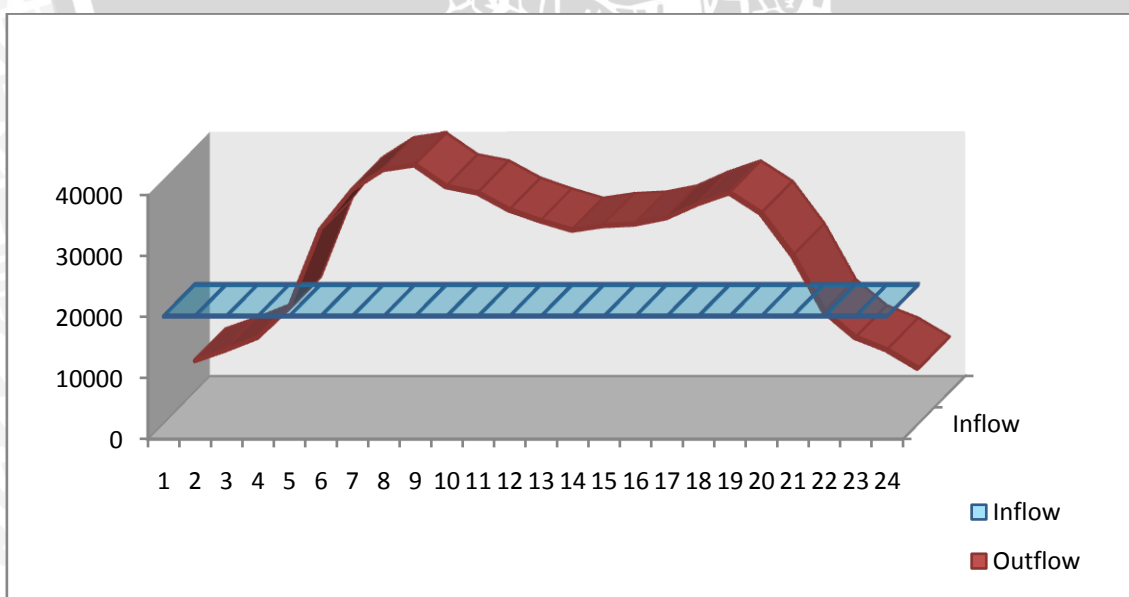
| Tahun | Nama desa | | | | | | | | |
|-------|------------|---------|-----------|------------|--------|------------|-------------|-----------|---------------|
| | Pandanrejo | Bumiaji | Bulukerto | Gunungsari | Punten | Tulungrejo | Sumbergondo | Giripurno | Sumberbrantas |
| 2001 | 4779 | 5894 | 5639 | 5853 | 4987 | 12857 | 3430 | 8578 | |
| 2002 | 4850 | 5887 | 5388 | 5925 | 5041 | 11536 | 3250 | 7975 | |
| 2003 | 4872 | 5900 | 5399 | 5947 | 5047 | 11677 | 3284 | 8237 | |
| 2004 | 5342 | 5915 | 5428 | 5965 | 5133 | 11766 | 3325 | 8370 | |
| 2005 | 5433 | 6016 | 5520 | 6066 | 5220 | 11966 | 3382 | 8512 | |
| 2006 | 4868 | 5921 | 5471 | 5990 | 5201 | 8020 | 3361 | 8390 | 3890 |
| 2007 | 4914 | 5932 | 5503 | 6018 | 5206 | 8047 | 3352 | 8400 | 3948 |
| 2008 | 5120 | 6104 | 5981 | 6624 | 5036 | 8664 | 3594 | 9393 | 4026 |
| 2009 | 5648 | 6648 | 6293 | 6953 | 5406 | 9471 | 3851 | 10007 | 4376 |
| 2010 | 5361 | 6474 | 6504 | 7366 | 5802 | 9420 | 4013 | 9684 | 4527 |
| 2011 | 5903 | 6926 | 6324 | 7095 | 5444 | 9359 | 3998 | 10283 | 4580 |
| 2012 | 5969 | 7004 | 6395 | 7175 | 5505 | 9464 | 4043 | 10399 | 4632 |

Lampiran 2. Grafik Pertumbuhan Penduduk Kecamatan Bumiaji



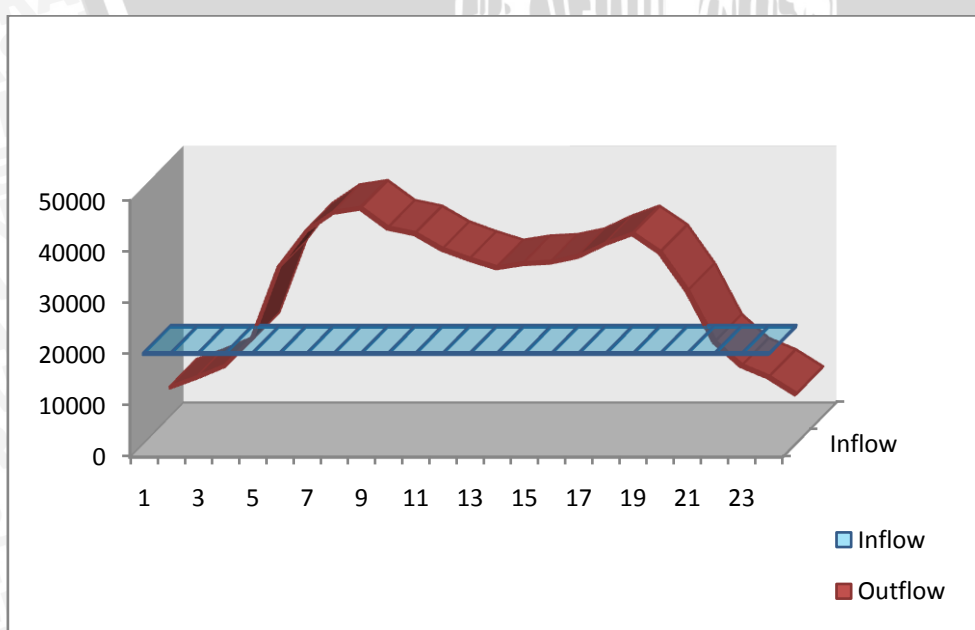
Lampiran 3. Neraca Air Tahun 2014

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 20160 | 0.3 | 7648.22 | 12511.78 | 12511.78 |
| 01.00-02.00 | 20160 | 0.37 | 9432.80 | 10727.20 | 23238.98 |
| 02.00-03.00 | 20160 | 0.45 | 11472.33 | 8687.67 | 31926.65 |
| 03.00-04.00 | 20160 | 0.64 | 16316.20 | 3843.80 | 35770.44 |
| 04.00-05.00 | 20160 | 1.15 | 29318.18 | -9158.18 | 26612.27 |
| 05.00-06.00 | 20160 | 1.4 | 35691.69 | -15531.69 | 11080.58 |
| 06.00-07.00 | 20160 | 1.53 | 39005.92 | -18845.92 | -7765.34 |
| 07.00-08.00 | 20160 | 1.56 | 39770.74 | -19610.74 | -27376.09 |
| 08.00-09.00 | 20160 | 1.42 | 36201.57 | -16041.57 | -43417.66 |
| 09.00-10.00 | 20160 | 1.38 | 35181.81 | -15021.81 | -58439.47 |
| 10.00-11.00 | 20160 | 1.27 | 32377.46 | -12217.46 | -70656.93 |
| 11.00-12.00 | 20160 | 1.2 | 30592.88 | -10432.88 | -81089.81 |
| 12.00-13.00 | 20160 | 1.14 | 29063.23 | -8903.23 | -89993.05 |
| 13.00-14.00 | 20160 | 1.17 | 29828.06 | -9668.06 | -99661.11 |
| 14.00-15.00 | 20160 | 1.18 | 30083.00 | -9923.00 | -109584.10 |
| 15.00-16.00 | 20160 | 1.22 | 31102.76 | -10942.76 | -120526.86 |
| 16.00-17.00 | 20160 | 1.31 | 33397.23 | -13237.23 | -133764.09 |
| 17.00-18.00 | 20160 | 1.38 | 35181.81 | -15021.81 | -148785.90 |
| 18.00-19.00 | 20160 | 1.25 | 31867.58 | -11707.58 | -160493.48 |
| 19.00-20.00 | 20160 | 0.98 | 24984.18 | -4824.18 | -165317.67 |
| 20.00-21.00 | 20160 | 0.62 | 15806.32 | 4353.68 | -160963.99 |
| 21.00-22.00 | 20160 | 0.45 | 11472.33 | 8687.67 | -152276.32 |
| 22.00-23.00 | 20160 | 0.37 | 9432.80 | 10727.20 | -141549.12 |
| 23.00-24.00 | 20160 | 0.25 | 6373.52 | 13786.48 | -127762.64 |



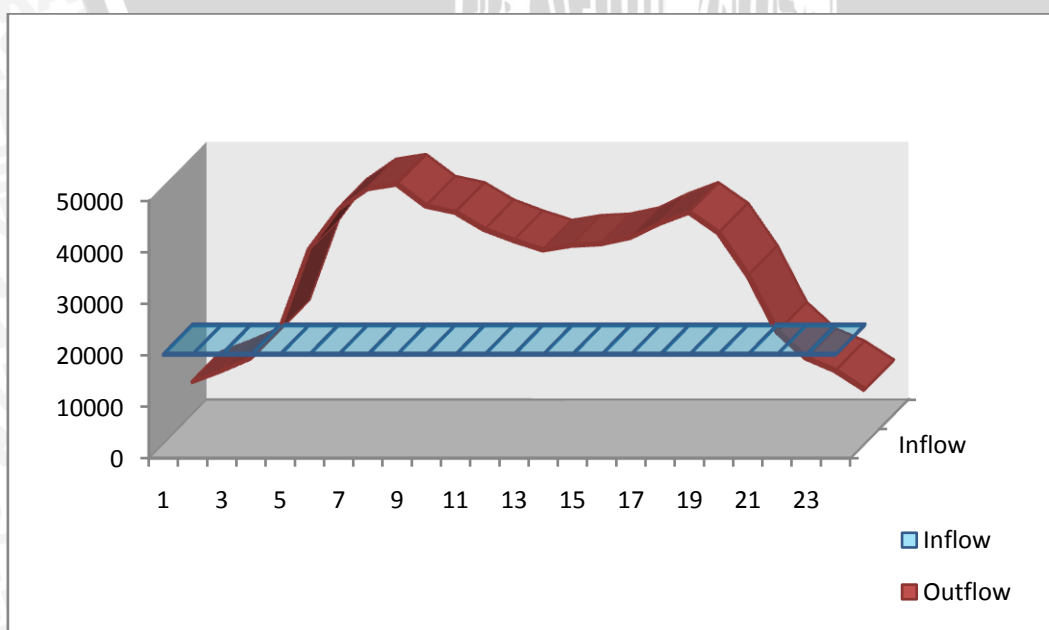
Lampiran 4. Neraca Air Tahun 2015

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 20160 | 0.3 | 8301.07 | 11858.93 | 11858.93 |
| 01.00-02.00 | 20160 | 0.37 | 10237.99 | 9922.01 | 21780.93 |
| 02.00-03.00 | 20160 | 0.45 | 12451.61 | 7708.39 | 29489.32 |
| 03.00-04.00 | 20160 | 0.64 | 17708.96 | 2451.04 | 31940.37 |
| 04.00-05.00 | 20160 | 1.15 | 31820.78 | -11660.78 | 20279.58 |
| 05.00-06.00 | 20160 | 1.4 | 38738.35 | -18578.35 | 1701.24 |
| 06.00-07.00 | 20160 | 1.53 | 42335.48 | -22175.48 | -20474.24 |
| 07.00-08.00 | 20160 | 1.56 | 43165.59 | -23005.59 | -43479.83 |
| 08.00-09.00 | 20160 | 1.42 | 39291.75 | -19131.75 | -62611.58 |
| 09.00-10.00 | 20160 | 1.38 | 38184.94 | -18024.94 | -80636.52 |
| 10.00-11.00 | 20160 | 1.27 | 35141.21 | -14981.21 | -95617.73 |
| 11.00-12.00 | 20160 | 1.2 | 33204.30 | -13044.30 | -108662.03 |
| 12.00-13.00 | 20160 | 1.14 | 31544.08 | -11384.08 | -120046.11 |
| 13.00-14.00 | 20160 | 1.17 | 32374.19 | -12214.19 | -132260.30 |
| 14.00-15.00 | 20160 | 1.18 | 32650.89 | -12490.89 | -144751.19 |
| 15.00-16.00 | 20160 | 1.22 | 33757.70 | -13597.70 | -158348.89 |
| 16.00-17.00 | 20160 | 1.31 | 36248.02 | -16088.02 | -174436.92 |
| 17.00-18.00 | 20160 | 1.38 | 38184.94 | -18024.94 | -192461.86 |
| 18.00-19.00 | 20160 | 1.25 | 34587.81 | -14427.81 | -206889.67 |
| 19.00-20.00 | 20160 | 0.98 | 27116.84 | -6956.84 | -213846.51 |
| 20.00-21.00 | 20160 | 0.62 | 17155.55 | 3004.45 | -210842.06 |
| 21.00-22.00 | 20160 | 0.45 | 12451.61 | 7708.39 | -203133.67 |
| 22.00-23.00 | 20160 | 0.37 | 10237.99 | 9922.01 | -193211.66 |
| 23.00-24.00 | 20160 | 0.25 | 6917.56 | 13242.44 | -179969.22 |



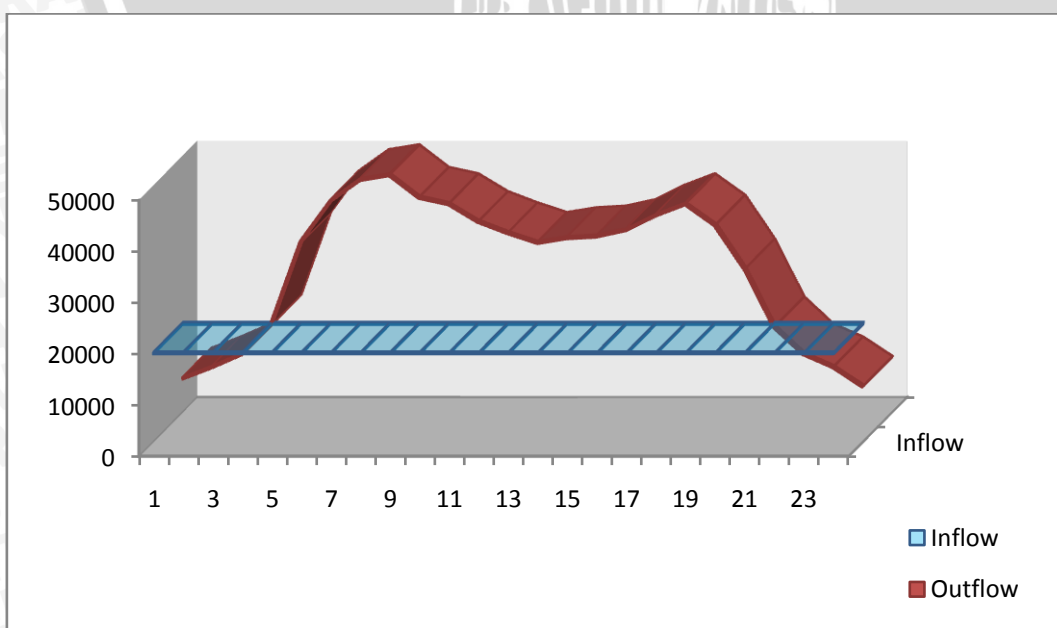
Lampiran 5. Neraca Air Tahun 2017

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 20160 | 0.3 | 9131.74 | 11028.26 | 11028.26 |
| 01.00-02.00 | 20160 | 0.37 | 11262.48 | 8897.52 | 19925.78 |
| 02.00-03.00 | 20160 | 0.45 | 13697.61 | 6462.39 | 26388.16 |
| 03.00-04.00 | 20160 | 0.64 | 19481.05 | 678.95 | 27067.11 |
| 04.00-05.00 | 20160 | 1.15 | 35005.01 | -14845.01 | 12222.10 |
| 05.00-06.00 | 20160 | 1.4 | 42614.80 | -22454.80 | -10232.70 |
| 06.00-07.00 | 20160 | 1.53 | 46571.89 | -26411.89 | -36644.58 |
| 07.00-08.00 | 20160 | 1.56 | 47485.06 | -27325.06 | -63969.64 |
| 08.00-09.00 | 20160 | 1.42 | 43223.58 | -23063.58 | -87033.22 |
| 09.00-10.00 | 20160 | 1.38 | 42006.01 | -21846.01 | -108879.24 |
| 10.00-11.00 | 20160 | 1.27 | 38657.71 | -18497.71 | -127376.95 |
| 11.00-12.00 | 20160 | 1.2 | 36526.97 | -16366.97 | -143743.92 |
| 12.00-13.00 | 20160 | 1.14 | 34700.62 | -14540.62 | -158284.54 |
| 13.00-14.00 | 20160 | 1.17 | 35613.80 | -15453.80 | -173738.33 |
| 14.00-15.00 | 20160 | 1.18 | 35918.19 | -15758.19 | -189496.52 |
| 15.00-16.00 | 20160 | 1.22 | 37135.75 | -16975.75 | -206472.27 |
| 16.00-17.00 | 20160 | 1.31 | 39875.27 | -19715.27 | -226187.55 |
| 17.00-18.00 | 20160 | 1.38 | 42006.01 | -21846.01 | -248033.56 |
| 18.00-19.00 | 20160 | 1.25 | 38048.93 | -17888.93 | -265922.49 |
| 19.00-20.00 | 20160 | 0.98 | 29830.36 | -9670.36 | -275592.85 |
| 20.00-21.00 | 20160 | 0.62 | 18872.27 | 1287.73 | -274305.11 |
| 21.00-22.00 | 20160 | 0.45 | 13697.61 | 6462.39 | -267842.73 |
| 22.00-23.00 | 20160 | 0.37 | 11262.48 | 8897.52 | -258945.21 |
| 23.00-24.00 | 20160 | 0.25 | 7609.79 | 12550.21 | -246395.00 |



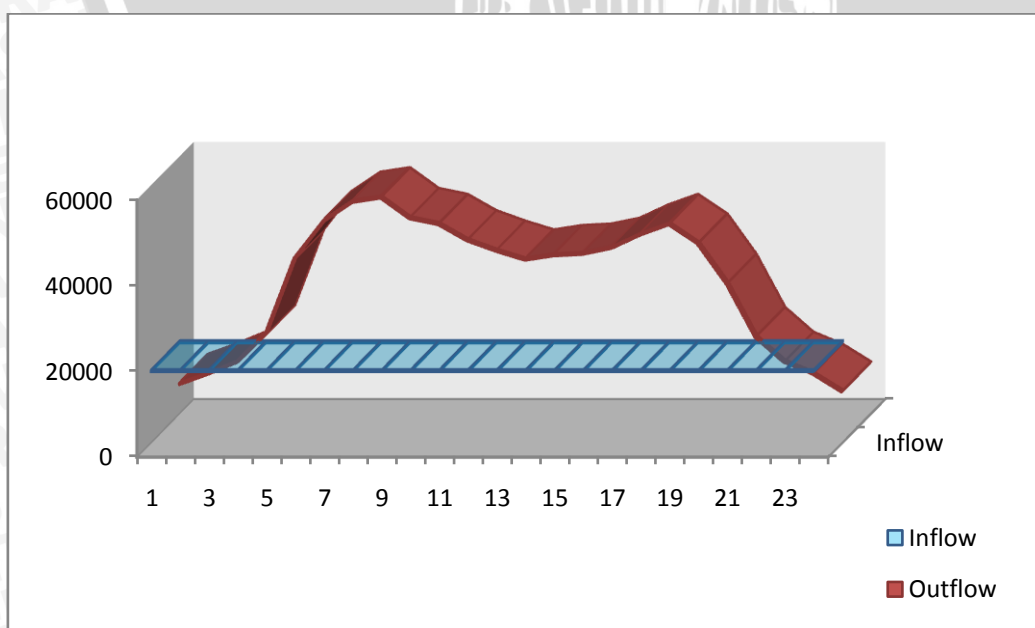
Lampiran 6. Neraca Air Tahun 2019

| Satuan Jam | Inflow | Load | Outflow | Selisih | Tandon |
|-------------|--------|--------|----------|-----------|------------|
| | | Faktor | | | |
| | lt/jam | | lt/jam | lt/jam | lt |
| 24.00-01.00 | 20160 | 0.3 | 9454.62 | 10705.38 | 10705.38 |
| 01.00-02.00 | 20160 | 0.37 | 11660.70 | 8499.30 | 19204.68 |
| 02.00-03.00 | 20160 | 0.45 | 14181.93 | 5978.07 | 25182.75 |
| 03.00-04.00 | 20160 | 0.64 | 20169.86 | -9.86 | 25172.90 |
| 04.00-05.00 | 20160 | 1.15 | 36242.71 | -16082.71 | 9090.19 |
| 05.00-06.00 | 20160 | 1.4 | 44121.56 | -23961.56 | -14871.37 |
| 06.00-07.00 | 20160 | 1.53 | 48218.56 | -28058.56 | -42929.93 |
| 07.00-08.00 | 20160 | 1.56 | 49164.02 | -29004.02 | -71933.96 |
| 08.00-09.00 | 20160 | 1.42 | 44751.87 | -24591.87 | -96525.82 |
| 09.00-10.00 | 20160 | 1.38 | 43491.25 | -23331.25 | -119857.07 |
| 10.00-11.00 | 20160 | 1.27 | 40024.56 | -19864.56 | -139721.63 |
| 11.00-12.00 | 20160 | 1.2 | 37818.48 | -17658.48 | -157380.11 |
| 12.00-13.00 | 20160 | 1.14 | 35927.56 | -15767.56 | -173147.66 |
| 13.00-14.00 | 20160 | 1.17 | 36873.02 | -16713.02 | -189860.68 |
| 14.00-15.00 | 20160 | 1.18 | 37188.17 | -17028.17 | -206888.85 |
| 15.00-16.00 | 20160 | 1.22 | 38448.79 | -18288.79 | -225177.64 |
| 16.00-17.00 | 20160 | 1.31 | 41285.17 | -21125.17 | -246302.81 |
| 17.00-18.00 | 20160 | 1.38 | 43491.25 | -23331.25 | -269634.06 |
| 18.00-19.00 | 20160 | 1.25 | 39394.25 | -19234.25 | -288868.31 |
| 19.00-20.00 | 20160 | 0.98 | 30885.09 | -10725.09 | -299593.41 |
| 20.00-21.00 | 20160 | 0.62 | 19539.55 | 620.45 | -298972.95 |
| 21.00-22.00 | 20160 | 0.45 | 14181.93 | 5978.07 | -292994.88 |
| 22.00-23.00 | 20160 | 0.37 | 11660.70 | 8499.30 | -284495.58 |
| 23.00-24.00 | 20160 | 0.25 | 7878.85 | 12281.15 | -272214.43 |



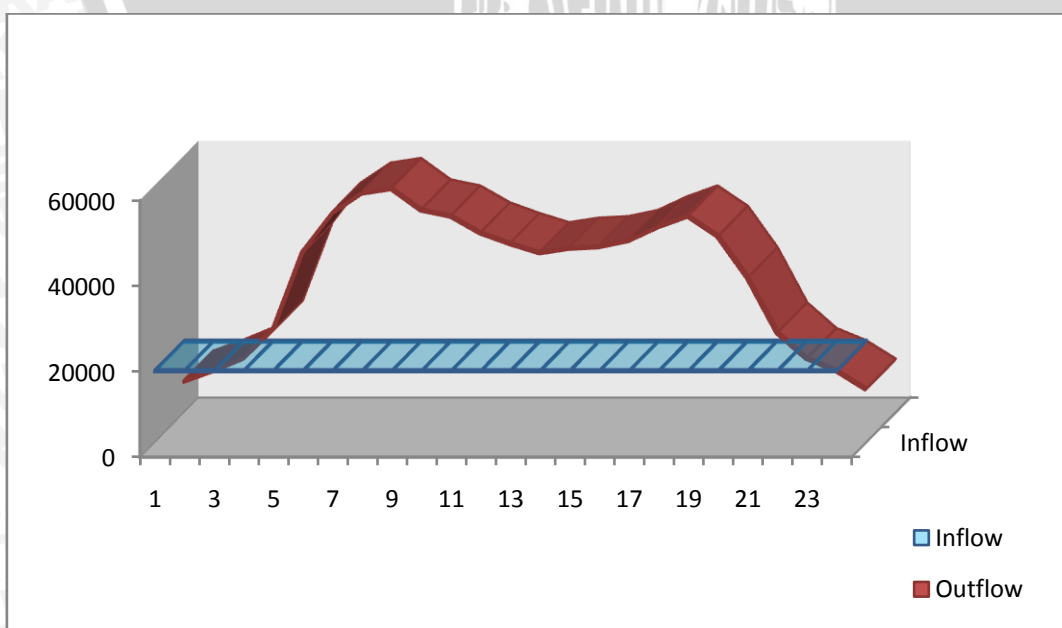
Lampiran 7. Neraca Air Tahun 2021

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 20160 | 0.3 | 10364.73 | 9795.27 | 9795.27 |
| 01.00-02.00 | 20160 | 0.37 | 12783.17 | 7376.83 | 17172.10 |
| 02.00-03.00 | 20160 | 0.45 | 15547.10 | 4612.90 | 21785.00 |
| 03.00-04.00 | 20160 | 0.64 | 22111.43 | -1951.43 | 19833.57 |
| 04.00-05.00 | 20160 | 1.15 | 39731.47 | -19571.47 | 262.10 |
| 05.00-06.00 | 20160 | 1.4 | 48368.75 | -28208.75 | -27946.65 |
| 06.00-07.00 | 20160 | 1.53 | 52860.13 | -32700.13 | -60646.78 |
| 07.00-08.00 | 20160 | 1.56 | 53896.61 | -33736.61 | -94383.39 |
| 08.00-09.00 | 20160 | 1.42 | 49059.73 | -28899.73 | -123283.12 |
| 09.00-10.00 | 20160 | 1.38 | 47677.77 | -27517.77 | -150800.88 |
| 10.00-11.00 | 20160 | 1.27 | 43877.37 | -23717.37 | -174518.25 |
| 11.00-12.00 | 20160 | 1.2 | 41458.93 | -21298.93 | -195817.18 |
| 12.00-13.00 | 20160 | 1.14 | 39385.98 | -19225.98 | -215043.16 |
| 13.00-14.00 | 20160 | 1.17 | 40422.45 | -20262.45 | -235305.61 |
| 14.00-15.00 | 20160 | 1.18 | 40767.95 | -20607.95 | -255913.56 |
| 15.00-16.00 | 20160 | 1.22 | 42149.91 | -21989.91 | -277903.47 |
| 16.00-17.00 | 20160 | 1.31 | 45259.33 | -25099.33 | -303002.80 |
| 17.00-18.00 | 20160 | 1.38 | 47677.77 | -27517.77 | -330520.56 |
| 18.00-19.00 | 20160 | 1.25 | 43186.38 | -23026.38 | -353546.95 |
| 19.00-20.00 | 20160 | 0.98 | 33858.12 | -13698.12 | -367245.07 |
| 20.00-21.00 | 20160 | 0.62 | 21420.45 | -1260.45 | -368505.52 |
| 21.00-22.00 | 20160 | 0.45 | 15547.10 | 4612.90 | -363892.62 |
| 22.00-23.00 | 20160 | 0.37 | 12783.17 | 7376.83 | -356515.78 |
| 23.00-24.00 | 20160 | 0.25 | 8637.28 | 11522.72 | -344993.06 |



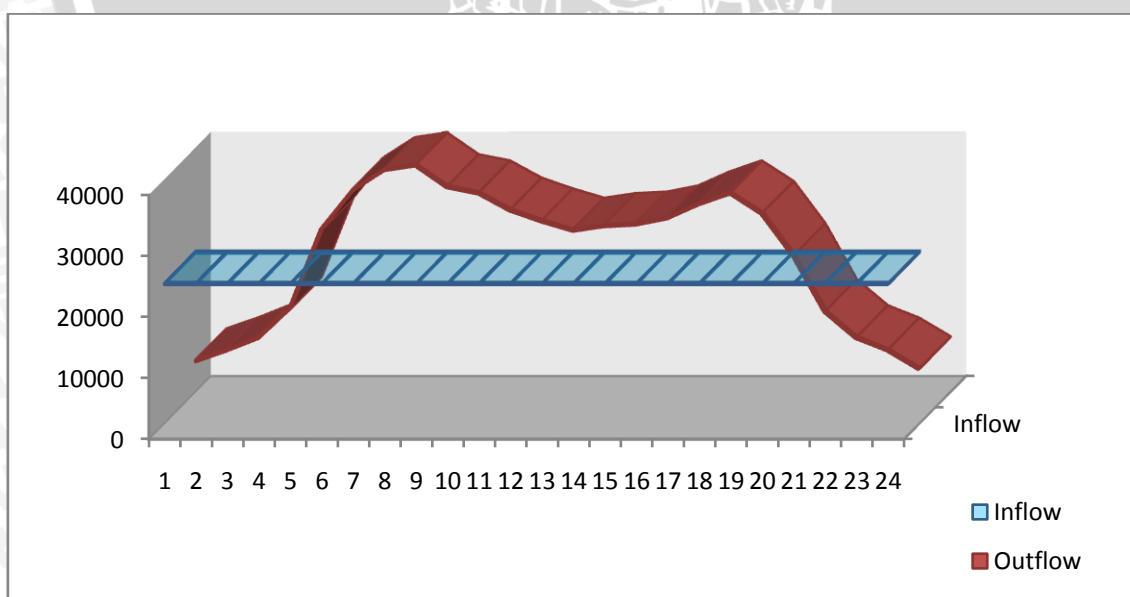
Lampiran 8. Neraca Air Tahun 2023

| Satuan Jam | Inflow lt/jam | Load Faktor | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|----------------|-------------------|-------------------|--------------|
| | | | | | |
| 24.00-01.00 | 20160 | 0.3 | 10731.21 | 9428.79 | 9428.79 |
| 01.00-02.00 | 20160 | 0.37 | 13235.15 | 6924.85 | 16353.64 |
| 02.00-03.00 | 20160 | 0.45 | 16096.81 | 4063.19 | 20416.83 |
| 03.00-04.00 | 20160 | 0.64 | 22893.24 | -2733.24 | 17683.60 |
| 04.00-05.00 | 20160 | 1.15 | 41136.29 | -20976.29 | -3292.69 |
| 05.00-06.00 | 20160 | 1.4 | 50078.96 | -29918.96 | -33211.65 |
| 06.00-07.00 | 20160 | 1.53 | 54729.15 | -34569.15 | -67780.79 |
| 07.00-08.00 | 20160 | 1.56 | 55802.27 | -35642.27 | -103423.06 |
| 08.00-09.00 | 20160 | 1.42 | 50794.37 | -30634.37 | -134057.43 |
| 09.00-10.00 | 20160 | 1.38 | 49363.54 | -29203.54 | -163260.97 |
| 10.00-11.00 | 20160 | 1.27 | 45428.77 | -25268.77 | -188529.74 |
| 11.00-12.00 | 20160 | 1.2 | 42924.82 | -22764.82 | -211294.56 |
| 12.00-13.00 | 20160 | 1.14 | 40778.58 | -20618.58 | -231913.14 |
| 13.00-14.00 | 20160 | 1.17 | 41851.70 | -21691.70 | -253604.84 |
| 14.00-15.00 | 20160 | 1.18 | 42209.41 | -22049.41 | -275654.25 |
| 15.00-16.00 | 20160 | 1.22 | 43640.23 | -23480.23 | -299134.48 |
| 16.00-17.00 | 20160 | 1.31 | 46859.60 | -26699.60 | -325834.07 |
| 17.00-18.00 | 20160 | 1.38 | 49363.54 | -29203.54 | -355037.62 |
| 18.00-19.00 | 20160 | 1.25 | 44713.35 | -24553.35 | -379590.97 |
| 19.00-20.00 | 20160 | 0.98 | 35055.27 | -14895.27 | -394486.24 |
| 20.00-21.00 | 20160 | 0.62 | 22177.82 | -2017.82 | -396504.07 |
| 21.00-22.00 | 20160 | 0.45 | 16096.81 | 4063.19 | -392440.87 |
| 22.00-23.00 | 20160 | 0.37 | 13235.15 | 6924.85 | -385516.03 |
| 23.00-24.00 | 20160 | 0.25 | 8942.67 | 11217.33 | -374298.70 |



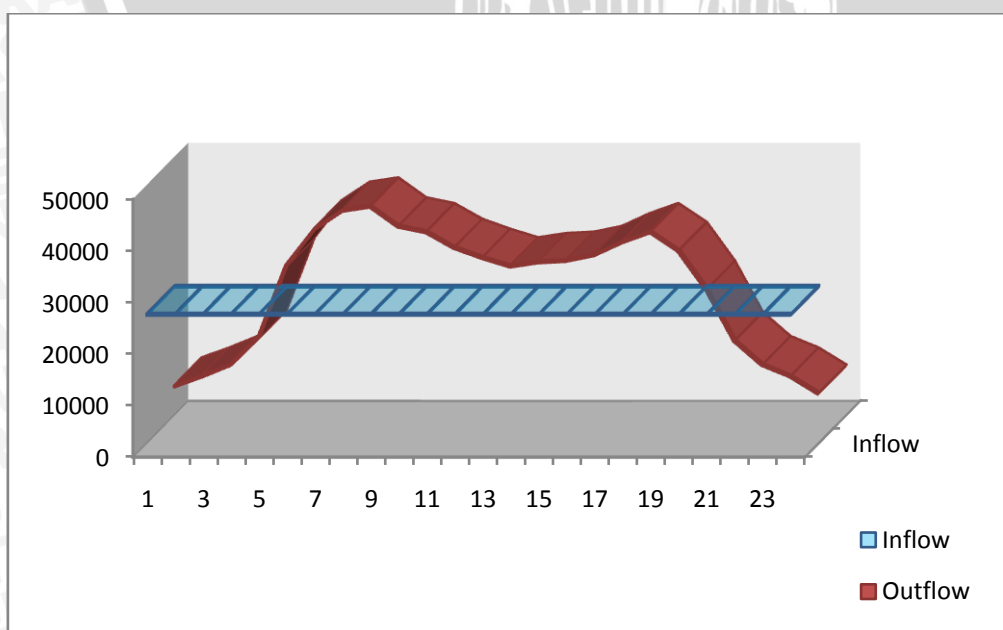
Lampiran 9. Neraca Air Tahun 2014 setelah penambahan debit

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 25494.1 | 0.3 | 7648.22 | 17845.85 | 17845.85 |
| 01.00-02.00 | 25494.1 | 0.37 | 9432.80 | 16061.26 | 33907.11 |
| 02.00-03.00 | 25494.1 | 0.45 | 11472.33 | 14021.74 | 47928.84 |
| 03.00-04.00 | 25494.1 | 0.64 | 16316.20 | 9177.86 | 57106.71 |
| 04.00-05.00 | 25494.1 | 1.15 | 29318.18 | -3824.11 | 53282.60 |
| 05.00-06.00 | 25494.1 | 1.4 | 35691.69 | -10197.63 | 43084.97 |
| 06.00-07.00 | 25494.1 | 1.53 | 39005.92 | -13511.85 | 29573.12 |
| 07.00-08.00 | 25494.1 | 1.56 | 39770.74 | -14276.68 | 15296.44 |
| 08.00-09.00 | 25494.1 | 1.42 | 36201.57 | -10707.51 | 4588.93 |
| 09.00-10.00 | 25494.1 | 1.38 | 35181.81 | -9687.74 | -5098.81 |
| 10.00-11.00 | 25494.1 | 1.27 | 32377.46 | -6883.40 | -11982.21 |
| 11.00-12.00 | 25494.1 | 1.2 | 30592.88 | -5098.81 | -17081.02 |
| 12.00-13.00 | 25494.1 | 1.14 | 29063.23 | -3569.17 | -20650.19 |
| 13.00-14.00 | 25494.1 | 1.17 | 29828.06 | -4333.99 | -24984.18 |
| 14.00-15.00 | 25494.1 | 1.18 | 30083.00 | -4588.93 | -29573.12 |
| 15.00-16.00 | 25494.1 | 1.22 | 31102.76 | -5608.69 | -35181.81 |
| 16.00-17.00 | 25494.1 | 1.31 | 33397.23 | -7903.16 | -43084.97 |
| 17.00-18.00 | 25494.1 | 1.38 | 35181.81 | -9687.74 | -52772.72 |
| 18.00-19.00 | 25494.1 | 1.25 | 31867.58 | -6373.52 | -59146.23 |
| 19.00-20.00 | 25494.1 | 0.98 | 24984.18 | 509.88 | -58636.35 |
| 20.00-21.00 | 25494.1 | 0.62 | 15806.32 | 9687.74 | -48948.61 |
| 21.00-22.00 | 25494.1 | 0.45 | 11472.33 | 14021.74 | -34926.87 |
| 22.00-23.00 | 25494.1 | 0.37 | 9432.80 | 16061.26 | -18865.61 |
| 23.00-24.00 | 25494.1 | 0.25 | 6373.52 | 19120.55 | 254.94 |



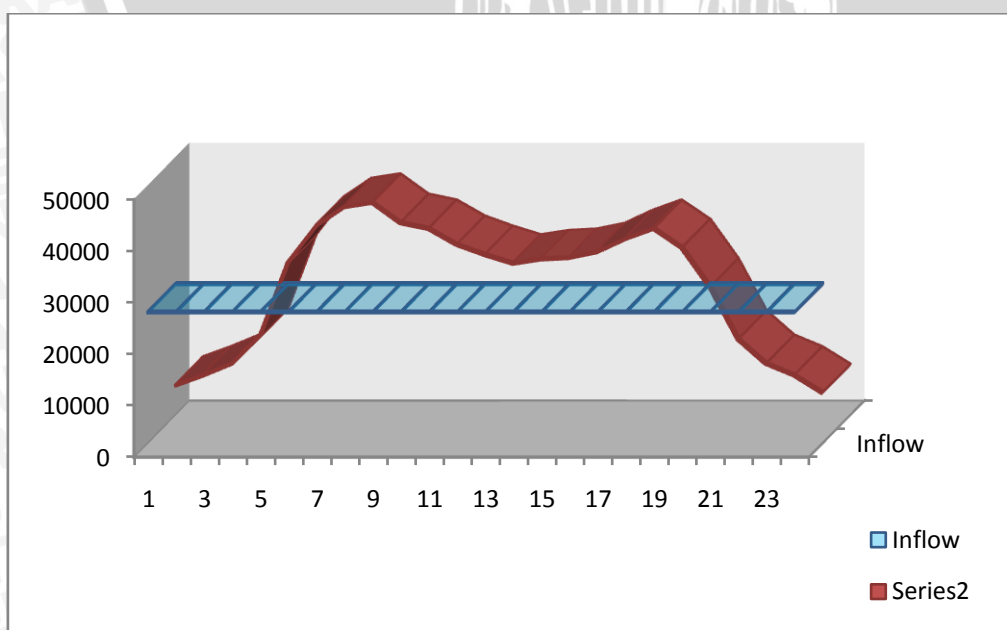
Lampiran 10. Neraca Air Tahun 2015 Setelah Penambahan Debit

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 27670.2 | 0.3 | 8301.07 | 19369.17 | 19369.17 |
| 01.00-02.00 | 27670.2 | 0.37 | 10237.99 | 17432.26 | 36801.43 |
| 02.00-03.00 | 27670.2 | 0.45 | 12451.61 | 15218.64 | 52020.06 |
| 03.00-04.00 | 27670.2 | 0.64 | 17708.96 | 9961.29 | 61981.35 |
| 04.00-05.00 | 27670.2 | 1.15 | 31820.78 | -4150.54 | 57830.82 |
| 05.00-06.00 | 27670.2 | 1.4 | 38738.35 | -11068.10 | 46762.72 |
| 06.00-07.00 | 27670.2 | 1.53 | 42335.48 | -14665.23 | 32097.49 |
| 07.00-08.00 | 27670.2 | 1.56 | 43165.59 | -15495.34 | 16602.15 |
| 08.00-09.00 | 27670.2 | 1.42 | 39291.75 | -11621.50 | 4980.64 |
| 09.00-10.00 | 27670.2 | 1.38 | 38184.94 | -10514.69 | -5534.05 |
| 10.00-11.00 | 27670.2 | 1.27 | 35141.21 | -7470.97 | -13005.02 |
| 11.00-12.00 | 27670.2 | 1.2 | 33204.30 | -5534.05 | -18539.07 |
| 12.00-13.00 | 27670.2 | 1.14 | 31544.08 | -3873.83 | -22412.90 |
| 13.00-14.00 | 27670.2 | 1.17 | 32374.19 | -4703.94 | -27116.84 |
| 14.00-15.00 | 27670.2 | 1.18 | 32650.89 | -4980.64 | -32097.49 |
| 15.00-16.00 | 27670.2 | 1.22 | 33757.70 | -6087.45 | -38184.94 |
| 16.00-17.00 | 27670.2 | 1.31 | 36248.02 | -8577.78 | -46762.72 |
| 17.00-18.00 | 27670.2 | 1.38 | 38184.94 | -10514.69 | -57277.41 |
| 18.00-19.00 | 27670.2 | 1.25 | 34587.81 | -6917.56 | -64194.97 |
| 19.00-20.00 | 27670.2 | 0.98 | 27116.84 | 553.40 | -63641.57 |
| 20.00-21.00 | 27670.2 | 0.62 | 17155.55 | 10514.69 | -53126.87 |
| 21.00-22.00 | 27670.2 | 0.45 | 12451.61 | 15218.64 | -37908.24 |
| 22.00-23.00 | 27670.2 | 0.37 | 10237.99 | 17432.26 | -20475.98 |
| 23.00-24.00 | 27670.2 | 0.25 | 6917.56 | 20752.69 | 276.70 |



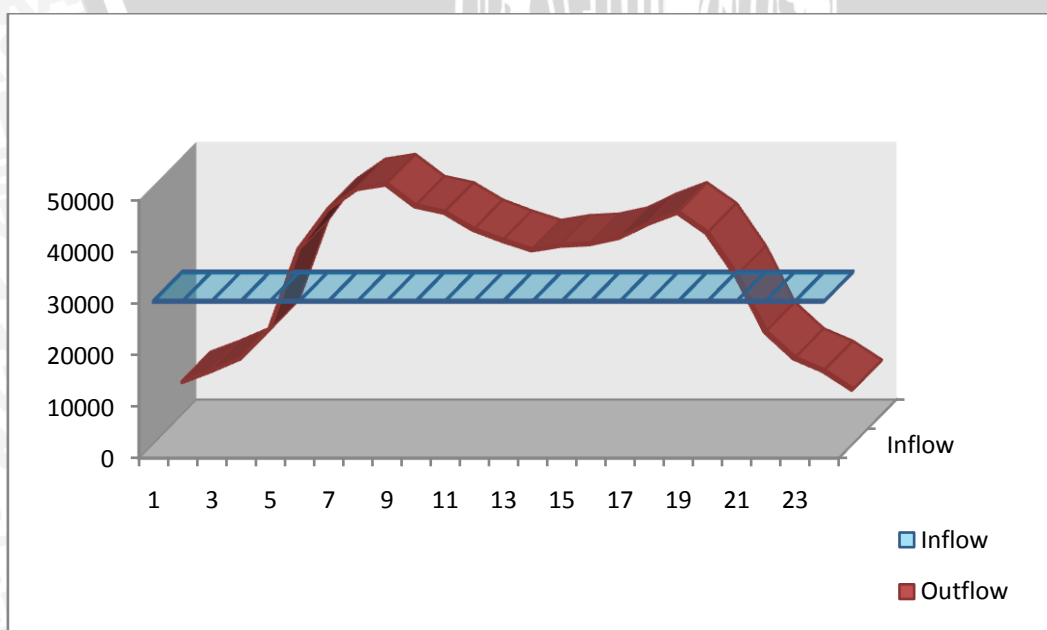
Lampiran 11. Neraca Air Tahun 2016 Setelah Penambahan Debit

| Satuan Jam | Inflow | Load | Outflow | Selisih | Tandon |
|-------------|---------|--------|----------|-----------|-----------|
| | | Faktor | | | |
| | lt/jam | | lt/jam | lt/jam | lt |
| 24.00-01.00 | 28155.2 | 0.3 | 8446.55 | 19708.62 | 19708.62 |
| 01.00-02.00 | 28155.2 | 0.37 | 10417.42 | 17737.76 | 37446.38 |
| 02.00-03.00 | 28155.2 | 0.45 | 12669.83 | 15485.35 | 52931.73 |
| 03.00-04.00 | 28155.2 | 0.64 | 18019.31 | 10135.86 | 63067.59 |
| 04.00-05.00 | 28155.2 | 1.15 | 32378.45 | -4223.28 | 58844.32 |
| 05.00-06.00 | 28155.2 | 1.4 | 39417.25 | -11262.07 | 47582.25 |
| 06.00-07.00 | 28155.2 | 1.53 | 43077.42 | -14922.24 | 32660.00 |
| 07.00-08.00 | 28155.2 | 1.56 | 43922.07 | -15766.90 | 16893.11 |
| 08.00-09.00 | 28155.2 | 1.42 | 39980.35 | -11825.17 | 5067.93 |
| 09.00-10.00 | 28155.2 | 1.38 | 38854.14 | -10698.97 | -5631.04 |
| 10.00-11.00 | 28155.2 | 1.27 | 35757.07 | -7601.90 | -13232.93 |
| 11.00-12.00 | 28155.2 | 1.2 | 33786.21 | -5631.04 | -18863.97 |
| 12.00-13.00 | 28155.2 | 1.14 | 32096.90 | -3941.72 | -22805.69 |
| 13.00-14.00 | 28155.2 | 1.17 | 32941.56 | -4786.38 | -27592.07 |
| 14.00-15.00 | 28155.2 | 1.18 | 33223.11 | -5067.93 | -32660.00 |
| 15.00-16.00 | 28155.2 | 1.22 | 34349.31 | -6194.14 | -38854.14 |
| 16.00-17.00 | 28155.2 | 1.31 | 36883.28 | -8728.10 | -47582.25 |
| 17.00-18.00 | 28155.2 | 1.38 | 38854.14 | -10698.97 | -58281.21 |
| 18.00-19.00 | 28155.2 | 1.25 | 35193.97 | -7038.79 | -65320.01 |
| 19.00-20.00 | 28155.2 | 0.98 | 27592.07 | 563.10 | -64756.90 |
| 20.00-21.00 | 28155.2 | 0.62 | 17456.21 | 10698.97 | -54057.94 |
| 21.00-22.00 | 28155.2 | 0.45 | 12669.83 | 15485.35 | -38572.59 |
| 22.00-23.00 | 28155.2 | 0.37 | 10417.42 | 17737.76 | -20834.83 |
| 23.00-24.00 | 28155.2 | 0.25 | 7038.79 | 21116.38 | 281.55 |



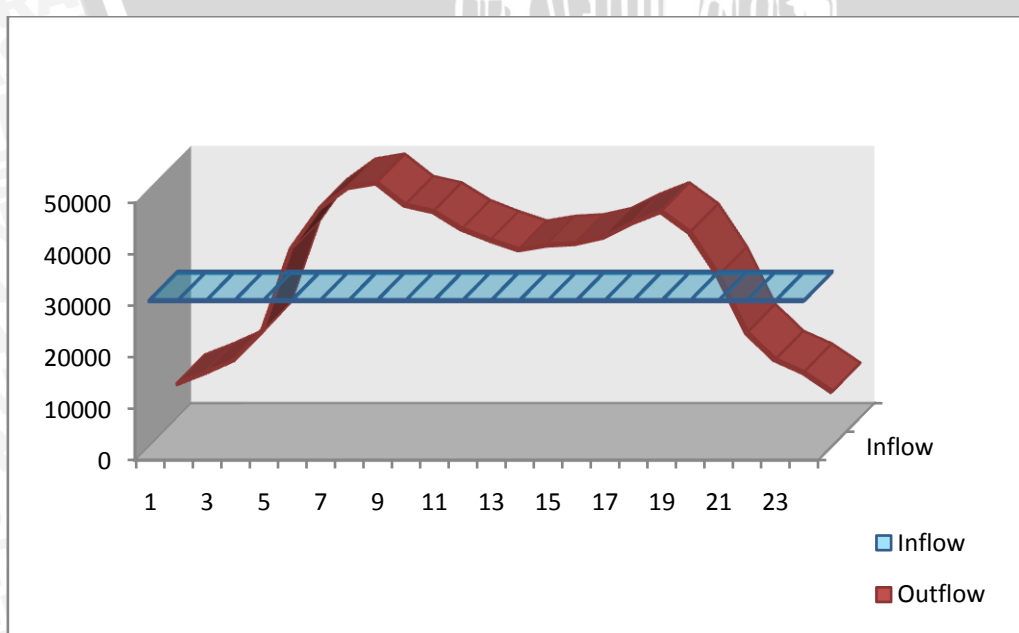
Lampiran 12. Neraca Air Tahun 2017 Setelah Penambahan Debit

| Satuan Jam | Inflow lt/jam | Load Faktor | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|----------------|-------------------|-------------------|--------------|
| | | | | | |
| 24.00-01.00 | 30439.141 | 0.3 | 9131.74 | 21307.40 | 21307.40 |
| 01.00-02.00 | 30439.141 | 0.37 | 11262.48 | 19176.66 | 40484.06 |
| 02.00-03.00 | 30439.141 | 0.45 | 13697.61 | 16741.53 | 57225.59 |
| 03.00-04.00 | 30439.141 | 0.64 | 19481.05 | 10958.09 | 68183.68 |
| 04.00-05.00 | 30439.141 | 1.15 | 35005.01 | -4565.87 | 63617.80 |
| 05.00-06.00 | 30439.141 | 1.4 | 42614.80 | -12175.66 | 51442.15 |
| 06.00-07.00 | 30439.141 | 1.53 | 46571.89 | -16132.74 | 35309.40 |
| 07.00-08.00 | 30439.141 | 1.56 | 47485.06 | -17045.92 | 18263.48 |
| 08.00-09.00 | 30439.141 | 1.42 | 43223.58 | -12784.44 | 5479.05 |
| 09.00-10.00 | 30439.141 | 1.38 | 42006.01 | -11566.87 | -6087.83 |
| 10.00-11.00 | 30439.141 | 1.27 | 38657.71 | -8218.57 | -14306.40 |
| 11.00-12.00 | 30439.141 | 1.2 | 36526.97 | -6087.83 | -20394.22 |
| 12.00-13.00 | 30439.141 | 1.14 | 34700.62 | -4261.48 | -24655.70 |
| 13.00-14.00 | 30439.141 | 1.17 | 35613.80 | -5174.65 | -29830.36 |
| 14.00-15.00 | 30439.141 | 1.18 | 35918.19 | -5479.05 | -35309.40 |
| 15.00-16.00 | 30439.141 | 1.22 | 37135.75 | -6696.61 | -42006.01 |
| 16.00-17.00 | 30439.141 | 1.31 | 39875.27 | -9436.13 | -51442.15 |
| 17.00-18.00 | 30439.141 | 1.38 | 42006.01 | -11566.87 | -63009.02 |
| 18.00-19.00 | 30439.141 | 1.25 | 38048.93 | -7609.79 | -70618.81 |
| 19.00-20.00 | 30439.141 | 0.98 | 29830.36 | 608.78 | -70010.02 |
| 20.00-21.00 | 30439.141 | 0.62 | 18872.27 | 11566.87 | -58443.15 |
| 21.00-22.00 | 30439.141 | 0.45 | 13697.61 | 16741.53 | -41701.62 |
| 22.00-23.00 | 30439.141 | 0.37 | 11262.48 | 19176.66 | -22524.96 |
| 23.00-24.00 | 30439.141 | 0.25 | 7609.79 | 22829.36 | 304.39 |



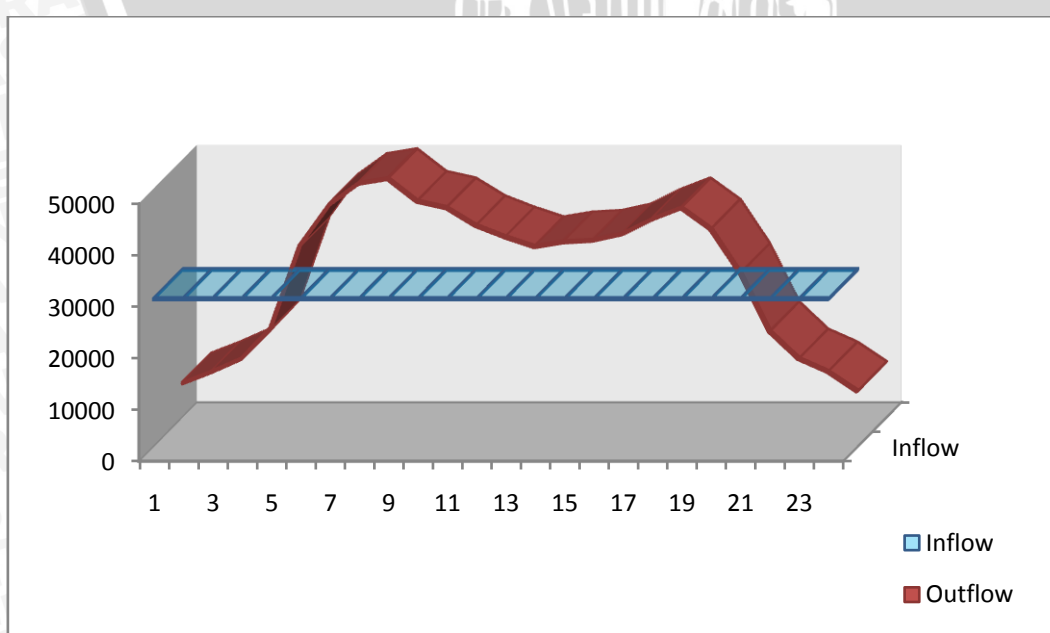
Lampiran 13. Neraca Air Tahun 2018 Setelah Penambahan Debit

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 30972.6 | 0.3 | 9291.78 | 21680.82 | 21680.82 |
| 01.00-02.00 | 30972.6 | 0.37 | 11459.86 | 19512.74 | 41193.55 |
| 02.00-03.00 | 30972.6 | 0.45 | 13937.67 | 17034.93 | 58228.48 |
| 03.00-04.00 | 30972.6 | 0.64 | 19822.46 | 11150.13 | 69378.61 |
| 04.00-05.00 | 30972.6 | 1.15 | 35618.49 | -4645.89 | 64732.73 |
| 05.00-06.00 | 30972.6 | 1.4 | 43361.63 | -12389.04 | 52343.69 |
| 06.00-07.00 | 30972.6 | 1.53 | 47388.07 | -16415.48 | 35928.21 |
| 07.00-08.00 | 30972.6 | 1.56 | 48317.25 | -17344.65 | 18583.56 |
| 08.00-09.00 | 30972.6 | 1.42 | 43981.09 | -13008.49 | 5575.07 |
| 09.00-10.00 | 30972.6 | 1.38 | 42742.18 | -11769.59 | -6194.52 |
| 10.00-11.00 | 30972.6 | 1.27 | 39335.20 | -8362.60 | -14557.12 |
| 11.00-12.00 | 30972.6 | 1.2 | 37167.11 | -6194.52 | -20751.64 |
| 12.00-13.00 | 30972.6 | 1.14 | 35308.76 | -4336.16 | -25087.80 |
| 13.00-14.00 | 30972.6 | 1.17 | 36237.94 | -5265.34 | -30353.14 |
| 14.00-15.00 | 30972.6 | 1.18 | 36547.66 | -5575.07 | -35928.21 |
| 15.00-16.00 | 30972.6 | 1.22 | 37786.57 | -6813.97 | -42742.18 |
| 16.00-17.00 | 30972.6 | 1.31 | 40574.10 | -9601.50 | -52343.69 |
| 17.00-18.00 | 30972.6 | 1.38 | 42742.18 | -11769.59 | -64113.27 |
| 18.00-19.00 | 30972.6 | 1.25 | 38715.74 | -7743.15 | -71856.42 |
| 19.00-20.00 | 30972.6 | 0.98 | 30353.14 | 619.45 | -71236.97 |
| 20.00-21.00 | 30972.6 | 0.62 | 19203.01 | 11769.59 | -59467.38 |
| 21.00-22.00 | 30972.6 | 0.45 | 13937.67 | 17034.93 | -42432.46 |
| 22.00-23.00 | 30972.6 | 0.37 | 11459.86 | 19512.74 | -22919.72 |
| 23.00-24.00 | 30972.6 | 0.25 | 7743.15 | 23229.45 | 309.73 |



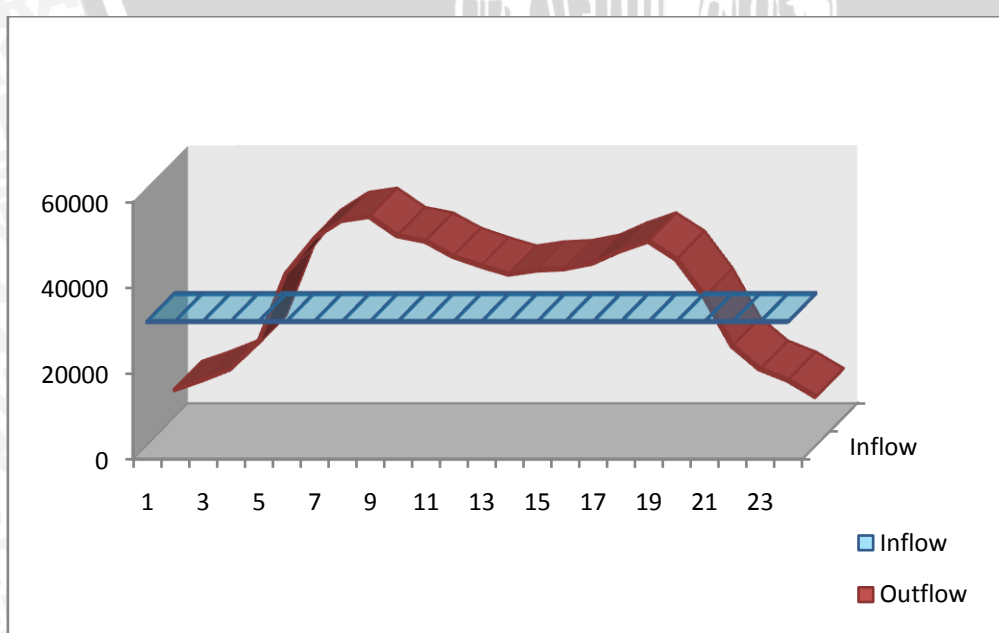
Lampiran 14. Neraca Air Tahun 2019 Setelah Penambahan Debit

| Satuan Jam | Inflow | Load Faktor | Outflow | Selisih | Tandon |
|-------------|---------|----------------|----------|-----------|-----------|
| | lt/jam | | lt/jam | lt/jam | lt |
| 24.00-01.00 | 31515.4 | 0.3 | 9454.62 | 22060.78 | 22060.78 |
| 01.00-02.00 | 31515.4 | 0.37 | 11660.70 | 19854.70 | 41915.48 |
| 02.00-03.00 | 31515.4 | 0.45 | 14181.93 | 17333.47 | 59248.95 |
| 03.00-04.00 | 31515.4 | 0.64 | 20169.86 | 11345.54 | 70594.49 |
| 04.00-05.00 | 31515.4 | 1.15 | 36242.71 | -4727.31 | 65867.18 |
| 05.00-06.00 | 31515.4 | 1.4 | 44121.56 | -12606.16 | 53261.02 |
| 06.00-07.00 | 31515.4 | 1.53 | 48218.56 | -16703.16 | 36557.86 |
| 07.00-08.00 | 31515.4 | 1.56 | 49164.02 | -17648.62 | 18909.24 |
| 08.00-09.00 | 31515.4 | 1.42 | 44751.87 | -13236.47 | 5672.77 |
| 09.00-10.00 | 31515.4 | 1.38 | 43491.25 | -11975.85 | -6303.08 |
| 10.00-11.00 | 31515.4 | 1.27 | 40024.56 | -8509.16 | -14812.24 |
| 11.00-12.00 | 31515.4 | 1.2 | 37818.48 | -6303.08 | -21115.32 |
| 12.00-13.00 | 31515.4 | 1.14 | 35927.56 | -4412.16 | -25527.47 |
| 13.00-14.00 | 31515.4 | 1.17 | 36873.02 | -5357.62 | -30885.09 |
| 14.00-15.00 | 31515.4 | 1.18 | 37188.17 | -5672.77 | -36557.86 |
| 15.00-16.00 | 31515.4 | 1.22 | 38448.79 | -6933.39 | -43491.25 |
| 16.00-17.00 | 31515.4 | 1.31 | 41285.17 | -9769.77 | -53261.02 |
| 17.00-18.00 | 31515.4 | 1.38 | 43491.25 | -11975.85 | -65236.88 |
| 18.00-19.00 | 31515.4 | 1.25 | 39394.25 | -7878.85 | -73115.73 |
| 19.00-20.00 | 31515.4 | 0.98 | 30885.09 | 630.31 | -72485.42 |
| 20.00-21.00 | 31515.4 | 0.62 | 19539.55 | 11975.85 | -60509.57 |
| 21.00-22.00 | 31515.4 | 0.45 | 14181.93 | 17333.47 | -43176.10 |
| 22.00-23.00 | 31515.4 | 0.37 | 11660.70 | 19854.70 | -23321.40 |
| 23.00-24.00 | 31515.4 | 0.25 | 7878.85 | 23636.55 | 315.15 |



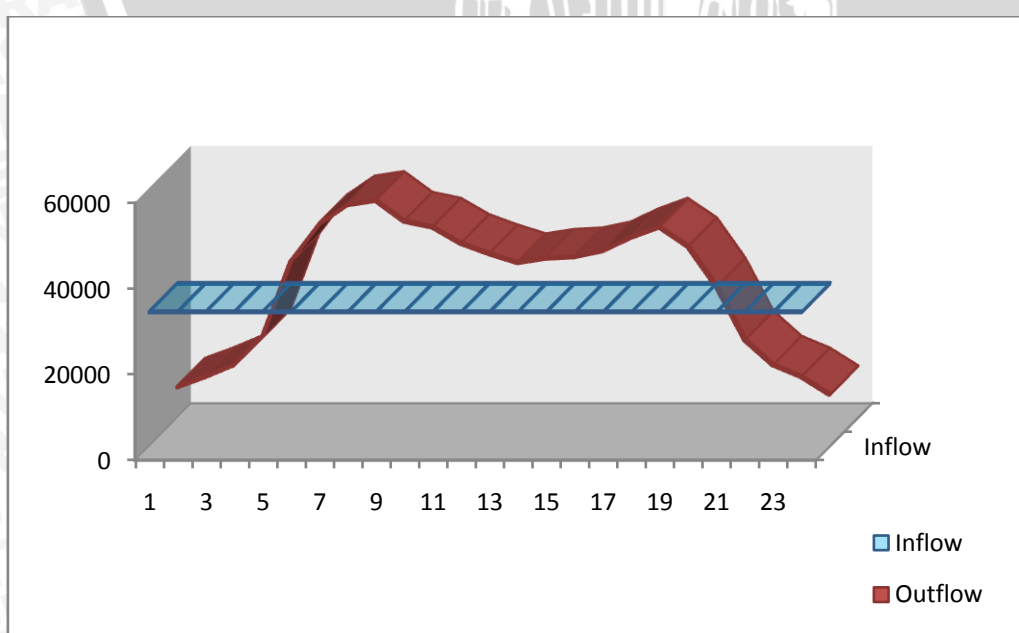
Lampiran 15. Neraca Air Tahun 2020 Setelah Penambahan Debit

| Satuan Jam | Inflow | Load Faktor | Outflow | Selisih | Tandon |
|-------------|---------|----------------|----------|-----------|-----------|
| | lt/jam | | lt/jam | lt/jam | lt |
| 24.00-01.00 | 32067.7 | 0.3 | 9620.31 | 22447.40 | 22447.40 |
| 01.00-02.00 | 32067.7 | 0.37 | 11865.05 | 20202.66 | 42650.06 |
| 02.00-03.00 | 32067.7 | 0.45 | 14430.47 | 17637.24 | 60287.31 |
| 03.00-04.00 | 32067.7 | 0.64 | 20523.34 | 11544.38 | 71831.68 |
| 04.00-05.00 | 32067.7 | 1.15 | 36877.87 | -4810.16 | 67021.53 |
| 05.00-06.00 | 32067.7 | 1.4 | 44894.80 | -12827.09 | 54194.44 |
| 06.00-07.00 | 32067.7 | 1.53 | 49063.61 | -16995.89 | 37198.55 |
| 07.00-08.00 | 32067.7 | 1.56 | 50025.64 | -17957.92 | 19240.63 |
| 08.00-09.00 | 32067.7 | 1.42 | 45536.16 | -13468.44 | 5772.19 |
| 09.00-10.00 | 32067.7 | 1.38 | 44253.45 | -12185.73 | -6413.54 |
| 10.00-11.00 | 32067.7 | 1.27 | 40726.00 | -8658.28 | -15071.83 |
| 11.00-12.00 | 32067.7 | 1.2 | 38481.26 | -6413.54 | -21485.37 |
| 12.00-13.00 | 32067.7 | 1.14 | 36557.20 | -4489.48 | -25974.85 |
| 13.00-14.00 | 32067.7 | 1.17 | 37519.23 | -5451.51 | -31426.36 |
| 14.00-15.00 | 32067.7 | 1.18 | 37839.90 | -5772.19 | -37198.55 |
| 15.00-16.00 | 32067.7 | 1.22 | 39122.61 | -7054.90 | -44253.45 |
| 16.00-17.00 | 32067.7 | 1.31 | 42008.71 | -9940.99 | -54194.44 |
| 17.00-18.00 | 32067.7 | 1.38 | 44253.45 | -12185.73 | -66380.17 |
| 18.00-19.00 | 32067.7 | 1.25 | 40084.64 | -8016.93 | -74397.10 |
| 19.00-20.00 | 32067.7 | 0.98 | 31426.36 | 641.35 | -73755.75 |
| 20.00-21.00 | 32067.7 | 0.62 | 19881.98 | 12185.73 | -61570.01 |
| 21.00-22.00 | 32067.7 | 0.45 | 14430.47 | 17637.24 | -43932.77 |
| 22.00-23.00 | 32067.7 | 0.37 | 11865.05 | 20202.66 | -23730.11 |
| 23.00-24.00 | 32067.7 | 0.25 | 8016.93 | 24050.79 | 320.68 |



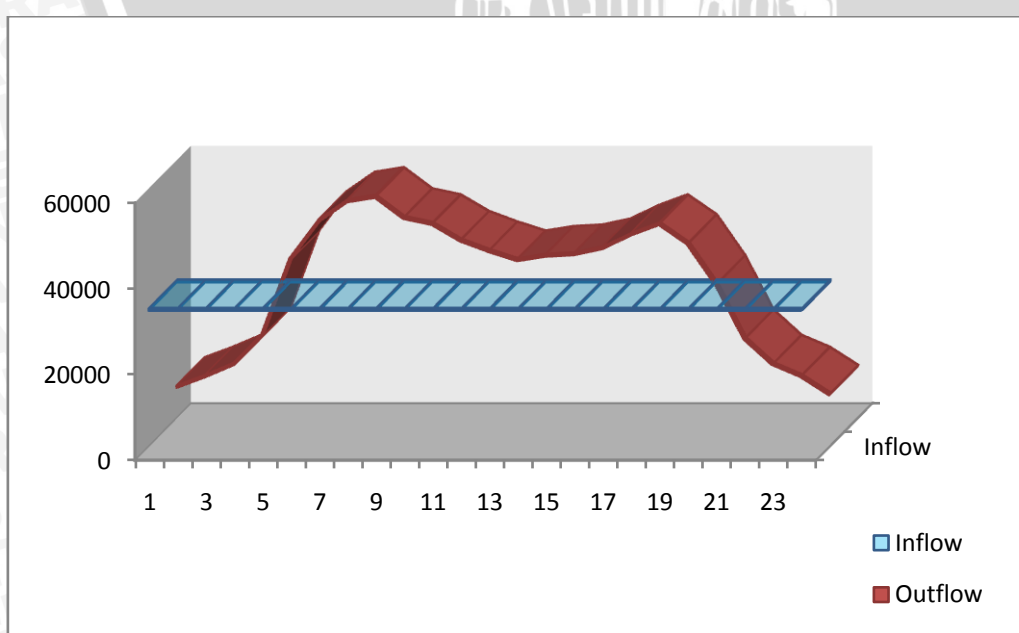
Lampiran 16. Neraca Air Tahun 2021 Setelah Penambahan Debit

| Satuan Jam | Inflow lt/jam | Load | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|--------|-------------------|-------------------|--------------|
| | | Faktor | | | |
| 24.00-01.00 | 34549.1 | 0.3 | 10364.73 | 24184.37 | 24184.37 |
| 01.00-02.00 | 34549.1 | 0.37 | 12783.17 | 21765.94 | 45950.31 |
| 02.00-03.00 | 34549.1 | 0.45 | 15547.10 | 19002.01 | 64952.32 |
| 03.00-04.00 | 34549.1 | 0.64 | 22111.43 | 12437.68 | 77390.00 |
| 04.00-05.00 | 34549.1 | 1.15 | 39731.47 | -5182.37 | 72207.63 |
| 05.00-06.00 | 34549.1 | 1.4 | 48368.75 | -13819.64 | 58387.99 |
| 06.00-07.00 | 34549.1 | 1.53 | 52860.13 | -18311.03 | 40076.96 |
| 07.00-08.00 | 34549.1 | 1.56 | 53896.61 | -19347.50 | 20729.46 |
| 08.00-09.00 | 34549.1 | 1.42 | 49059.73 | -14510.62 | 6218.84 |
| 09.00-10.00 | 34549.1 | 1.38 | 47677.77 | -13128.66 | -6909.82 |
| 10.00-11.00 | 34549.1 | 1.27 | 43877.37 | -9328.26 | -16238.08 |
| 11.00-12.00 | 34549.1 | 1.2 | 41458.93 | -6909.82 | -23147.90 |
| 12.00-13.00 | 34549.1 | 1.14 | 39385.98 | -4836.87 | -27984.78 |
| 13.00-14.00 | 34549.1 | 1.17 | 40422.45 | -5873.35 | -33858.12 |
| 14.00-15.00 | 34549.1 | 1.18 | 40767.95 | -6218.84 | -40076.96 |
| 15.00-16.00 | 34549.1 | 1.22 | 42149.91 | -7600.80 | -47677.77 |
| 16.00-17.00 | 34549.1 | 1.31 | 45259.33 | -10710.22 | -58387.99 |
| 17.00-18.00 | 34549.1 | 1.38 | 47677.77 | -13128.66 | -71516.65 |
| 18.00-19.00 | 34549.1 | 1.25 | 43186.38 | -8637.28 | -80153.93 |
| 19.00-20.00 | 34549.1 | 0.98 | 33858.12 | 690.98 | -79462.94 |
| 20.00-21.00 | 34549.1 | 0.62 | 21420.45 | 13128.66 | -66334.28 |
| 21.00-22.00 | 34549.1 | 0.45 | 15547.10 | 19002.01 | -47332.28 |
| 22.00-23.00 | 34549.1 | 0.37 | 12783.17 | 21765.94 | -25566.34 |
| 23.00-24.00 | 34549.1 | 0.25 | 8637.28 | 25911.83 | 345.49 |



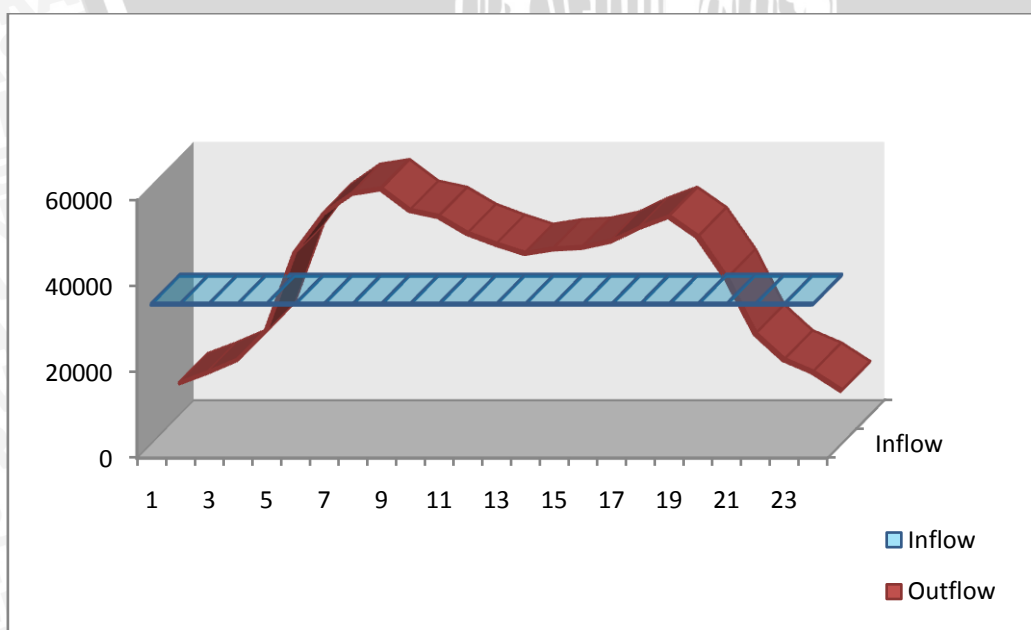
Lampiran 17. Neraca Air Tahun 2022 Setelah Penambahan Debit

| Satuan Jam | Inflow | Load Faktor | Outflow | Selisih | Tandon |
|-------------|---------|----------------|----------|-----------|-----------|
| | lt/jam | | lt/jam | lt/jam | lt |
| 24.00-01.00 | 35154.6 | 0.3 | 10546.38 | 24608.21 | 24608.21 |
| 01.00-02.00 | 35154.6 | 0.37 | 13007.20 | 22147.39 | 46755.60 |
| 02.00-03.00 | 35154.6 | 0.45 | 15819.57 | 19335.02 | 66090.63 |
| 03.00-04.00 | 35154.6 | 0.64 | 22498.94 | 12655.65 | 78746.28 |
| 04.00-05.00 | 35154.6 | 1.15 | 40427.78 | -5273.19 | 73473.09 |
| 05.00-06.00 | 35154.6 | 1.4 | 49216.42 | -14061.84 | 59411.26 |
| 06.00-07.00 | 35154.6 | 1.53 | 53786.52 | -18631.93 | 40779.32 |
| 07.00-08.00 | 35154.6 | 1.56 | 54841.16 | -19686.57 | 21092.75 |
| 08.00-09.00 | 35154.6 | 1.42 | 49919.52 | -14764.93 | 6327.83 |
| 09.00-10.00 | 35154.6 | 1.38 | 48513.33 | -13358.74 | -7030.92 |
| 10.00-11.00 | 35154.6 | 1.27 | 44646.33 | -9491.74 | -16522.66 |
| 11.00-12.00 | 35154.6 | 1.2 | 42185.51 | -7030.92 | -23553.57 |
| 12.00-13.00 | 35154.6 | 1.14 | 40076.23 | -4921.64 | -28475.22 |
| 13.00-14.00 | 35154.6 | 1.17 | 41130.87 | -5976.28 | -34451.50 |
| 14.00-15.00 | 35154.6 | 1.18 | 41482.42 | -6327.83 | -40779.32 |
| 15.00-16.00 | 35154.6 | 1.22 | 42888.60 | -7734.01 | -48513.33 |
| 16.00-17.00 | 35154.6 | 1.31 | 46052.51 | -10897.92 | -59411.26 |
| 17.00-18.00 | 35154.6 | 1.38 | 48513.33 | -13358.74 | -72770.00 |
| 18.00-19.00 | 35154.6 | 1.25 | 43943.24 | -8788.65 | -81558.65 |
| 19.00-20.00 | 35154.6 | 0.98 | 34451.50 | 703.09 | -80855.56 |
| 20.00-21.00 | 35154.6 | 0.62 | 21795.85 | 13358.74 | -67496.81 |
| 21.00-22.00 | 35154.6 | 0.45 | 15819.57 | 19335.02 | -48161.79 |
| 22.00-23.00 | 35154.6 | 0.37 | 13007.20 | 22147.39 | -26014.40 |
| 23.00-24.00 | 35154.6 | 0.25 | 8788.65 | 26365.94 | 351.55 |



Lampiran 18. Neraca Air Tahun 2023 Setelah Penambahan Debit

| Satuan Jam | Inflow lt/jam | Load Faktor | Outflow lt/jam | Selisih lt/jam | Tandon lt |
|-------------|------------------|----------------|-------------------|-------------------|--------------|
| | | | | | |
| 24.00-01.00 | 35770.7 | 0.3 | 10731.21 | 25039.48 | 25039.48 |
| 01.00-02.00 | 35770.7 | 0.37 | 13235.15 | 22535.53 | 47575.01 |
| 02.00-03.00 | 35770.7 | 0.45 | 16096.81 | 19673.88 | 67248.88 |
| 03.00-04.00 | 35770.7 | 0.64 | 22893.24 | 12877.45 | 80126.33 |
| 04.00-05.00 | 35770.7 | 1.15 | 41136.29 | -5365.60 | 74760.73 |
| 05.00-06.00 | 35770.7 | 1.4 | 50078.96 | -14308.27 | 60452.46 |
| 06.00-07.00 | 35770.7 | 1.53 | 54729.15 | -18958.46 | 41493.99 |
| 07.00-08.00 | 35770.7 | 1.56 | 55802.27 | -20031.58 | 21462.41 |
| 08.00-09.00 | 35770.7 | 1.42 | 50794.37 | -15023.69 | 6438.72 |
| 09.00-10.00 | 35770.7 | 1.38 | 49363.54 | -13592.86 | -7154.14 |
| 10.00-11.00 | 35770.7 | 1.27 | 45428.77 | -9658.08 | -16812.22 |
| 11.00-12.00 | 35770.7 | 1.2 | 42924.82 | -7154.14 | -23966.36 |
| 12.00-13.00 | 35770.7 | 1.14 | 40778.58 | -5007.90 | -28974.25 |
| 13.00-14.00 | 35770.7 | 1.17 | 41851.70 | -6081.02 | -35055.27 |
| 14.00-15.00 | 35770.7 | 1.18 | 42209.41 | -6438.72 | -41493.99 |
| 15.00-16.00 | 35770.7 | 1.22 | 43640.23 | -7869.55 | -49363.54 |
| 16.00-17.00 | 35770.7 | 1.31 | 46859.60 | -11088.91 | -60452.46 |
| 17.00-18.00 | 35770.7 | 1.38 | 49363.54 | -13592.86 | -74045.31 |
| 18.00-19.00 | 35770.7 | 1.25 | 44713.35 | -8942.67 | -82987.99 |
| 19.00-20.00 | 35770.7 | 0.98 | 35055.27 | 715.41 | -82272.57 |
| 20.00-21.00 | 35770.7 | 0.62 | 22177.82 | 13592.86 | -68679.71 |
| 21.00-22.00 | 35770.7 | 0.45 | 16096.81 | 19673.88 | -49005.84 |
| 22.00-23.00 | 35770.7 | 0.37 | 13235.15 | 22535.53 | -26470.31 |
| 23.00-24.00 | 35770.7 | 0.25 | 8942.67 | 26828.01 | 357.71 |



Lampiran 19. Tabel Recursive Tahun 2014 Dengan Tambahan Debit

Tabel A14-1 ke Dalam Box

| Terdahul | Sisa | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 |
|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 7.1 | Maximum | 2,269.39 | 2,211.36 | 2,166.21 | 2,119.12 | 2,072.02 | 2,024.93 | 1,977.84 | 1,930.75 | 1,883.66 | 1,836.57 | 1,789.48 | 1,742.38 | 1,695.29 | 1,648.20 | 1,601.11 | 1,554.02 | 1,506.93 | 1,459.84 | 1,412.74 | 1,365.65 | 1,318.56 | 1,271.47 | 1,224.38 | 1,177.29 |
| Minimum | 2,269.39 | 2,211.36 | 2,166.21 | 2,119.12 | 2,072.02 | 2,024.93 | 1,977.84 | 1,930.75 | 1,883.66 | 1,836.57 | 1,789.48 | 1,742.38 | 1,695.29 | 1,648.20 | 1,601.11 | 1,554.02 | 1,506.93 | 1,459.84 | 1,412.74 | 1,365.65 | 1,318.56 | 1,271.47 | 1,224.38 | 1,177.29 | |
| Sumber | Perhitungan | 7.1 | | | | | | | | | | | | | | | | | | | | | | | |

Tabel A14-2 ke Dalam Box

| Terdahul | Sisa | 0.1 | 0.2 | 0.3 | 0.4 | 0.5 | 0.6 | 0.7 | 0.8 | 0.9 | 1 | 1.1 | 1.2 | 1.3 | 1.4 | 1.5 | 1.6 | 1.7 | 1.8 | 1.9 | 2 | 2.1 | 2.2 | 2.3 | 2.4 |
|----------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 2.3 | | 3,203.99 | | | | | | | | | | | | | | | | | | | | | | | |
| 2.4 | | 3,199.79 | 3,156.90 | | | | | | | | | | | | | | | | | | | | | | |
| 2.5 | | 3,195.59 | 3,152.70 | 3,109.81 | | | | | | | | | | | | | | | | | | | | | |
| 2.6 | | 3,191.39 | 3,148.50 | 3,105.61 | 3,062.71 | | | | | | | | | | | | | | | | | | | | |
| 2.7 | | 3,187.19 | 3,144.30 | 3,101.40 | 3,058.51 | 3,015.62 | | | | | | | | | | | | | | | | | | | |
| 2.8 | | 3,182.99 | 3,140.10 | 3,097.20 | 3,054.31 | 3,011.42 | 2,968.53 | | | | | | | | | | | | | | | | | | |
| 2.9 | | 3,178.79 | 3,135.89 | 3,093.00 | 3,050.11 | 3,007.22 | 2,964.33 | 2,921.44 | | | | | | | | | | | | | | | | | |
| 3 | | 3,174.58 | 3,131.69 | 3,088.80 | 3,045.91 | 3,003.02 | 2,960.13 | 2,917.24 | 2,874.35 | | | | | | | | | | | | | | | | |
| 3.1 | | 3,170.38 | 3,127.49 | 3,084.60 | 3,041.71 | 2,998.82 | 2,955.93 | 2,913.04 | 2,870.15 | 2,827.26 | | | | | | | | | | | | | | | |
| 3.2 | | 3,166.18 | 3,123.29 | 3,080.40 | 3,037.51 | 2,994.62 | 2,951.73 | 2,908.84 | 2,865.95 | 2,823.06 | 2,780.17 | | | | | | | | | | | | | | |
| 3.3 | | 3,161.98 | 3,119.09 | 3,076.20 | 3,033.31 | 2,990.42 | 2,947.53 | 2,904.64 | 2,861.75 | 2,818.86 | 2,775.97 | 2,733.07 | | | | | | | | | | | | | |
| 3.4 | | 3,157.78 | 3,114.89 | 3,072.00 | 3,029.11 | 2,986.22 | 2,943.33 | 2,900.44 | 2,857.55 | 2,814.66 | 2,771.77 | 2,728.87 | 2,685.98 | | | | | | | | | | | | |
| 3.5 | | 3,153.58 | 3,110.69 | 3,067.80 | 3,024.91 | 2,982.02 | 2,939.13 | 2,896.24 | 2,853.35 | 2,810.45 | 2,767.56 | 2,724.67 | 2,681.78 | 2,638.89 | | | | | | | | | | | |
| 3.6 | | 3,149.38 | 3,106.49 | 3,063.60 | 3,020.71 | 2,977.82 | 2,934.93 | 2,892.04 | 2,849.14 | 2,806.25 | 2,763.36 | 2,720.47 | 2,677.58 | 2,634.69 | 2,591.80 | | | | | | | | | | |
| 3.7 | | 3,145.18 | 3,102.29 | 3,059.40 | 3,016.51 | 2,973.62 | 2,930.73 | 2,887.84 | 2,844.94 | 2,802.05 | 2,759.16 | 2,716.27 | 2,673.38 | 2,630.49 | 2,587.60 | 2,544.71 | | | | | | | | | |
| 3.8 | | 3,140.98 | 3,098.09 | 3,055.20 | 3,012.31 | 2,969.42 | 2,926.53 | 2,883.63 | 2,840.74 | 2,797.85 | 2,754.96 | 2,712.07 | 2,669.18 | 2,626.29 | 2,583.40 | 2,540.51 | 2,497.62 | | | | | | | | |
| 3.9 | | 3,136.78 | 3,093.89 | 3,051.00 | 3,008.11 | 2,965.22 | 2,922.33 | 2,879.44 | 2,836.54 | 2,793.65 | 2,750.76 | 2,707.87 | 2,664.98 | 2,622.09 | 2,579.20 | 2,536.31 | 2,493.42 | 2,450.53 | | | | | | | |
| 4 | | 3,132.58 | 3,089.69 | 3,046.80 | 3,003.91 | 2,961.02 | 2,918.12 | 2,875.23 | 2,832.34 | 2,789.45 | 2,746.56 | 2,703.67 | 2,660.78 | 2,617.89 | 2,575.00 | 2,532.11 | 2,489.22 | 2,446.32 | 2,403.43 | | | | | | |
| 4.1 | | 3,128.38 | 3,085.49 | 3,042.60 | 2,999.71 | 2,956.82 | 2,913.93 | 2,871.04 | 2,828.14 | 2,785.25 | 2,742.36 | 2,699.47 | 2,656.58 | 2,613.69 | 2,570.80 | 2,527.91 | 2,485.02 | 2,442.12 | 2,399.23 | 2,356.34 | | | | | |
| 4.2 | | 3,124.18 | 3,081.29 | 3,038.40 | 2,995.51 | 2,952.62 | 2,909.73 | 2,866.84 | 2,823.94 | 2,781.05 | 2,738.16 | 2,695.27 | 2,652.38 | 2,609.49 | 2,566.60 | 2,523.71 | 2,480.82 | 2,437.92 | 2,395.03 | 2,352.14 | 2,309.25 | | | | |
| 4.3 | | 3,119.98 | 3,077.09 | 3,034.20 | 2,991.31 | 2,948.42 | 2,905.53 | 2,862.64 | 2,819.74 | 2,776.85 | 2,733.96 | 2,691.07 | 2,648.18 | 2,605.29 | 2,562.40 | 2,519.51 | 2,476.62 | 2,433.72 | 2,390.83 | 2,347.94 | 2,305.05 | 2,262.16 | | | |
| 4.4 | | 3,115.78 | 3,072.89 | 3,029.99 | 2,987.10 | 2,944.21 | 2,901.32 | 2,858.43 | 2,815.54 | 2,772.65 | 2,729.76 | 2,686.87 | 2,643.98 | 2,601.09 | 2,558.20 | 2,515.31 | 2,472.41 | 2,429.52 | 2,386.63 | 2,343.74 | 2,300.85 | 2,257.96 | 2,215.07 | 2,172.18 | 2,129.29 |
| 4.5 | | 3,111.57 | 3,068.68 | 3,025.79 | 2,982.90 | 2,940.01 | 2,897.12 | 2,854.23 | 2,811.34 | 2,768.45 | 2,725.56 | 2,682.67 | 2,639.78 | 2,596.88 | 2,553.99 | 2,511.10 | 2,468.21 | 2,425.32 | 2,382.43 | 2,339.54 | 2,296.65 | 2,253.76 | 2,210.87 | 2,167.98 | 2,125.09 |
| 4.6 | | 3,107.37 | 3,064.48 | 3,021.59 | 2,978.70 | 2,935.81 | 2,892.92 | 2,850.03 | 2,807.14 | 2,764.25 | 2,721.36 | 2,678.47 | 2,635.58 | 2,592.69 | 2,549.80 | 2,506.91 | 2,464.02 | 2,421.12 | 2,378.23 | 2,335.34 | 2,292.45 | 2,249.56 | 2,206.67 | 2,163.78 | 2,120.89 |
| Maximum | 3,203.99 | | | | | | | | | | | | | | | | | | | | | | | | |
| Minimum | 3,107.37 | 3,103.81 | 3,060.31 | 3,016.81 | 2,973.31 | 2,929.81 | 2,886.31 | 2,842.81 | 2,799.31 | 2,755.81 | 2,712.31 | 2,668.81 | 2,625.31 | 2,581.81 | 2,538.31 | 2,494.81 | 2,451.31 | 2,407.81 | 2,364.31 | 2,320.81 | 2,277.31 | 2,233.81 | 2,190.31 | 2,146.81 | 2,103.31 |
| Sumber | Perhitungan | 2.3 | 2.4 | 2.5 | 2.6 | 2.7 | 2.8 | 2.9 | 3 | 3.1 | 3.2 | 3.3 | 3.4 | 3.5 | 3.6 | 3.7 | 3.8 | 3.9 | 4 | 4.1 | 4.2 | 4.3 | 4.4 | 4.5 | 4.6 |

Tabel A14-3 ke Dalam Box

| Terdahul | Sisa | 0 | 0.1 |
|----------|-------------|----------|----------|
| 0.1 | | 3,203.99 | |
| 0.2 | | 3,156.90 | 3,109.81 |
| 0.3 | | 3,109.81 | 3,062.71 |
| 0.4 | | 3,062.71 | 3,015.62 |
| 0.5 | | 3,015.62 | 2,968.53 |
| 0.6 | | 2,968.53 | 2,921.44 |
| 0.7 | | 2,921.44 | 2,874.35 |
| 0.8 | | 2,874.35 | 2,827.26 |
| 0.9 | | 2,827.26 | 2,780.17 |
| 1 | 2,780.17 | | |
| 1.1 | 2,733.07 | | |
| 1.2 | 2,685.98 | | |
| 1.3 | 2,638.89 | | |
| 1.4 | 2,591.80 | | |
| 1.5 | 2,544.71 | | |
| 1.6 | 2,497.62 | | |
| 1.7 | 2,450.53 | | |
| 1.8 | 2,403.43 | | |
| 1.9 | 2,356.34 | | |
| 2 | 2,309.25 | | |
| 2.1 | 2,262.16 | | |
| 2.2 | 2,215.07 | | |
| 2.3 | 2,167.98 | | |
| 2.4 | 2,120.89 | | |
| Maximum | 3,203.99 | | |
| Minimum | | 2,120.89 | |
| Sumber | Perhitungan | 0 | 0.1 |

| | | | | |
|-----------------------|----------------|------|----------|----------|
| Jalur Optimal | 7.1 | 3.2 | 1 | 0 |
| Banaran | | Beru | | Binangun |
| Alokasi Optimal lt/dt | 3.9 | 2.2 | 1 | 7.1 |
| Keuntungan maksimum | 2,968.09 | | lt/detik | |
| Keuntungan Total (Rp) | 256,442,942.06 | | lt/hari | |
| Keuntungan Total (Rp) | 256,442.94 | | m3/hari | |

Tabel 20. Tabel Recursive Tahun 2023 Dengan Tambah Debit

Table 20: Recursive Year 2023 with Debit Addition. The table is a recursive calculation table with columns for 'Tahun' (Year) and 'Debit'. The table is divided into two main sections: 'Tahun 1-13 Debit Banaran' and 'Tahun 14-31 Debit Banaran'. The 'Debit' column contains numerical values for each year, with some values highlighted in blue. The table shows a complex pattern of recursive calculations across 31 years.

Jalur Optimal

9.9

4.5

1.4

0

Banaran

Beru

Binangun

Alokasi Optimal lt/dt

5.4

3.1

1.4

9.9

Keuntungan Maksimum

5,802.72 lt/detik

Keuntungan Total (Rp)

501,355,199.27 lt/hari

Keuntungan Total (Rp)

501,355.20 m³/hari