

| PT. Perkeb. Nusantara X PG. Meritjan | | LAPORAN HARIAN PRODUKSI | | | Tanggal : 31-Jul-22 Hari ke : 52 | | |
|---|----------|-------------------------|-----------|--------------------------|-------------------------------------|---------|-----------|
| URAIAN | Hari ini | Periode | Total | URAIAN | Hari ini | Periode | Total |
| I. BAHAN BAKU TEBU | | | | - Diesel, kwh | - | - | - |
| 1 Tebu masuk, ton | 1.662,5 | 34.970,0 | 104.479,6 | - Turbin Alternator, kwh | 23.433 | 874.411 | 2.544.692 |
| - Tebu Sendiri | - | 592,9 | 1.690,0 | - PLN, kwh | 2.391 | 102.892 | 331.336 |
| - Tebu Rakyat | 1.662,5 | 34.377,1 | 102.789,6 | 49 Batu bara | - | - | - |
| 2 Tebu digiling, ton | 1.515,8 | 34.866,0 | 103.490,8 | - tiap 100 ton tebu | - | - | - |
| 3 Sisa hari ini, ton | | | 988,8 | - Persediaan | | | - |
| 4 Kesgrn tebu ≤ 36 jam | 62,24 | 73,59 | 78,46 | 50 Kapur, kg | 1.600 | 28.300 | 92.300 |
| 5 Kadar sabut | 12,01 | 12,02 | 11,80 | - tiap 100 ton tebu | 105,55 | 81,17 | 89,19 |
| 6 Kualitas tebu - A | - | - | - | - Persediaan | - | - | 8.670 |
| 7 Kualitas tebu - B | 15,07 | 8,78 | 8,79 | 51 Belerang, kg | 350 | 11.600 | 41.200 |
| 8 Kualitas tebu - C | 42,91 | 52,23 | 45,21 | - tiap 100 ton tebu | 23,09 | 33,27 | 39,81 |
| 9 Kualitas tebu - D | 42,02 | 38,93 | 45,95 | - Persediaan | | | 8.270 |
| 10 Kualitas tebu - E | - | 0,06 | 0,04 | 52 Phosphat, kg | 140 | 4.865 | 14.665 |
| II. PRODUKSI | | | | - tiap 100 ton tebu | 9,24 | 13,95 | 14,17 |
| 11 Gula dikemas | 68,60 | 2.141,50 | 5.669,90 | - Persediaan | | | 2.345 |
| - % tebu | 4,53 | 6,14 | 5,48 | Soda coustic, kg | 200 | 3.350 | 9.250 |
| 12 Gula dalam proses | 9,37 | (85,14) | 252,55 | - tiap 100 ton tebu | 13,19 | 9,61 | 8,94 |
| 13 Warna / lcumsa | 296,78 | 295,7 | 296,28 | - Persediaan | | | 3.500 |
| 14 Kadar air | 0,05 | 0,05 | 0,05 | 53 Flocculant/nalco, kg | 3 | 93 | 312 |
| 15 Persed. GKP incl. Stock | | | 5.696,20 | - tiap 100 ton tebu | 0,20 | 0,27 | 0,30 |
| Stock opname | | | - | - Persediaan | | | 388 |
| 16 Produksi tetes | 64,600 | 1.813,900 | 5.132,300 | Surfactan, kg | - | - | - |
| Stock opname | | | 116,000 | - tiap 100 ton tebu | - | - | - |
| 17 Persediaan tetes | | | 4.436,420 | - Persediaan | | | - |
| III. KAPASITAS & KOMPONEN % TEBU | | | | 54 Biocide, kg | - | - | - |
| 18 Imbibisi % tebu | 27,74 | 27,96 | 26,76 | - tiap 100 ton tebu | - | - | - |
| 19 Imbibisi % sabut | 231 | 233 | 227 | - Persediaan | | | - |
| 20 Nira mentah % tebu | 100,26 | 100,48 | 99,83 | VIII. DATA ANALISA | | | |
| 21 Ampas % tebu | 27,48 | 27,48 | 26,93 | 55 Nira gilingan I / NPP | | | |
| 22 Blotong % tebu | 3,03 | 2,17 | 2,18 | - % brix | 13,74 | 14,32 | 14,24 |
| 23 Jam giling efektif | 14,42 | 371,83 | 1.107,72 | - % pol | 10,14 | 10,64 | 10,57 |
| 24 Kec. giling ton/jam | 105,1 | 93,8 | 93,4 | - H K | 73,85 | 74,3 | 74,2 |
| 25 Effeisiensi waktu | 60,07 | 96,83 | 90,12 | - pH | 5,1 | 5,1 | 5,1 |
| IV. EFFISIENSI BOILLER | | | | - Gula reduksi % brix | 15,29 | 14,60 | 14,81 |
| 26 Effisiensi boiler | 64,26 | 70,21 | 65,35 | - Dextran | 463 | 452 | 442 |
| 27 kcal bhn bkr/kg tebu | 298,01 | 328,10 | 309,86 | - P2O5 | 102 | 108 | 111 |
| 28 Uap % tebu | 47,04 | 48,34 | 46,53 | - icumsa | 31.535 | 30.394 | 29.741 |
| 29 Tek. Uap baru | 17,67 | 18,46 | 17,64 | - P I | - | 88,4 | 87,7 |
| 30 Tek. Uap bekas | 0,41 | 0,40 | 0,42 | 56 Nira mentah | | | |
| V. KINERJA | | | | - % brix | 10,03 | 10,21 | 10,36 |
| 31 Pol tebu | 7,89 | 8,03 | 8,10 | - % pol | 7,27 | 7,39 | 7,53 |
| 32 Ekstraksi pol (HPG) | 92,35 | 92,49 | 92,84 | - H K | 72,41 | 72,5 | 72,7 |
| 33 Eff. Proses (BHR) | 70,53 | 79,28 | 76,02 | - pH | 5,9 | 6,0 | 5,9 |
| 34 Ekstraksi direduksi | 91,99 | 92,14 | 92,36 | - Gula reduksi % brix | 30,55 | 25,13 | 22,30 |
| 35 BHR direduksi | 81,54 | 90,31 | 86,87 | - Dextran | 529 | 551 | 535 |
| 36 Overall Recovery | 65,13 | 73,33 | 70,58 | - P2O5 | 263 | 289 | 279 |
| 37 T C T S (gross) | 19,44 | 16,96 | 17,47 | - icumsa | 36.124 | 34.785 | 33.337 |
| VI. KEHILANGAN GULA % TEBU | | | | 57 Nira gilingan akhir | | | |
| 38 Dalam ampas | 0,60 | 0,60 | 0,58 | - % brix | 2,46 | 2,42 | 2,42 |
| 39 Dalam blotong | 0,09 | 0,06 | 0,06 | - % pol | 1,60 | 1,57 | 1,57 |
| 40 Dalam tetes | 2,05 | 1,44 | 1,55 | - H K | 64,94 | 64,8 | 64,7 |
| 41 Hil tak diketahui | 0,01 | 0,03 | 0,19 | 58 Nira encer | | | |
| 42 Hilang total | 2,75 | 2,14 | 2,38 | - % brix | 10,78 | 10,72 | 10,71 |
| VII. PEMAK. BB & BPP | | | | - % pol | 8,06 | 8,01 | 8,00 |
| 43 Residu | - | - | - | - H K | 74,8 | 74,7 | 74,7 |
| - tiap 100 ton tebu | - | - | - | - pH | 7,1 | 7,1 | 7,8 |
| - Persediaan | | | - | - Gula reduksi % brix | 16,38 | 17,32 | 17,62 |
| 44 Solar | 240,0 | 4.609,0 | 14.255,0 | - Dextran | 311 | 322 | 327 |
| - tiap 100 ton tebu | 15,83 | 13,22 | 13,77 | - Turbidity | 136 | 133 | 149 |
| - untuk diesel | - | 200 | 600 | - Kadar kapur | 937 | 976 | 980 |
| - untuk loder | 240 | 3.604 | 10.138 | - P2O5 | 59 | 60 | 61 |
| - untuk traktor | - | 785 | 3.452 | - icumsa | 22.727 | 23.954 | 24.490 |
| - untuk steam tes, dll | - | 20 | 65 | 59 Nira Kental | | | |
| - Persediaan | | | 6.975 | - % brix | 57,10 | 58,68 | 58,72 |
| 45 Moulding | - | - | - | - % pol | 43,24 | 44,46 | 44,47 |
| - tiap 100 ton tebu | - | - | - | - H K | 75,74 | 75,8 | 75,7 |
| - Persediaan | | | - | - pH | 5,2 | 5,3 | 5,2 |
| 46 Ampas | 416,6 | 9.580,7 | 27.865,9 | - Gula reduksi % brix | 10,85 | 10,30 | 10,20 |
| - tiap 100 ton tebu | 27,48 | 27,48 | 26,93 | - icumsa | 39.568 | 39.963 | 40.930 |
| - Persediaan | | | 509,300 | 60 Gula Kristal Putih | 68,6 | 2.141,5 | 5.669,9 |
| 47 Kayu bakar | - | - | - | - % tebu | 4,53 | 6,14 | 5,48 |
| - tiap 100 ton tebu | - | - | - | - % brix | 99,95 | 99,95 | 99,95 |
| - Persediaan | | | - | - % pol | 99,87 | 99,87 | 99,87 |
| 48 Listrik | 25.823 | 977.303 | 2.876.028 | - H K | 99,9 | 99,9 | 99,9 |
| - tiap 100 ton tebu | 1.703,61 | 2.803,03 | 2.779,02 | - BJB | 0,94 | 0,96 | 0,97 |

| | | | | | | | |
|------------------------------|--------|--------|--------|---------------------------|-------|----------|--------|
| 61 Produksi tetes, ton | | | | 72 Jam berhenti - B | 9,58 | 12,17 | 67,37 |
| - % tebu | 4,26 | 5,20 | 4,96 | Jamti - B1 (Teknik) | 9,50 | 12,08 | 66,42 |
| - % brix | 87,66 | 85,96 | 85,12 | - St. Gilingan | - | 0,83 | 25,50 |
| - % pol | 30,71 | 30,23 | 29,92 | - St. Boiler | 9,50 | 9,92 | 36,42 |
| - H K | 35,0 | 35,2 | 35,16 | - St. Power House | - | 1,33 | 4,50 |
| - Gula reduksi % brix | 26,08 | 27,22 | 27,59 | - P M P | - | - | - |
| 62 Ampas | | | | - Instrumen | - | - | - |
| - % tebu | 27,48 | 27,48 | 26,93 | - Operasional | - | - | - |
| - % pol | 2,20 | 2,20 | 2,15 | Jamti - B2 (Proses) | 0,08 | 0,08 | 0,95 |
| - Zat kering | 47,07 | 47,12 | 47,13 | - St. Pemurnian | 0,08 | 0,08 | 0,87 |
| - Kadar sabut | 43,68 | 43,73 | 43,81 | - St. Penguapan | - | - | 0,08 |
| 63 Blotong | | | | - St. Kristalisasi | - | - | - |
| - % tebu | 3,03 | 2,17 | 2,18 | - St. Puteran | - | - | - |
| - % pol | 2,92 | 2,97 | 2,96 | - P M P | - | - | - |
| - Zat kering | 30,78 | 30,77 | 30,87 | - st. Pengemasan | - | - | - |
| X. LIMBAH | | | | 73 Total jam berhenti | 9,58 | 12,17 | 121,45 |
| 64 Flowrate, m³/jam | - | - | 107,82 | 73 % Jamti | 39,93 | 3,17 | 9,88 |
| 65 COD influent, ppm | 214,50 | 224,49 | 201,24 | 75 % Jamti - A | - | - | 4,40 |
| 66 COD effluent, ppm | 104,50 | 131,07 | 143,90 | 76 %Jamti - B | 39,93 | 3,17 | 5,48 |
| 67 Suhu effluent, °C | 26,75 | 27,09 | 26,91 | XII. PENCAPAIAN KINERJA | | | |
| 68 pH effluent | 7,14 | 6,94 | 7,03 | 77 Pol tebu | 8,10 | 10,25 | 79,00 |
| 69 Gula dlm air injeksi, ppm | - | - | - | 78 Mill Extraction | 92,84 | 94,07 | 98,70 |
| 70 Gula dlm air jatuhan, ppm | - | - | - | 79 Boiling House Recovery | 76,02 | 83,63 | 90,90 |
| XI. JAM BERHENTI | | | | 80 Overal Recovery | 70,58 | 78,00 | 90,49 |
| 71 Jam berhenti - A | - | - | 54,08 | 81 Hil dlm ampas | 0,58 | 0,61 | 94,99 |
| - Kurang air | - | - | - | 82 Hil dlm blotong | 0,06 | 0,06 | 107,81 |
| - BBT telat | - | - | 54,00 | 83 Hil dlm tetes | 1,55 | 1,51 | 102,63 |
| - PLN padam | - | - | 0,08 | 84 Hil tak diketahui | 0,19 | 0,07 | 269,06 |
| - Hari raya | - | - | - | 85 Hilang total | 2,38 | 2,25 | 105,88 |
| - Lain-lain | - | - | - | | | | |
| XIII. URAIAN JAM BERHENTI | | | | | | | |
| 1 CJT Penuh | | | | | = | 0,08 jam | |
| 2 Elevator induk trouble | | | | | = | 9,50 jam | |
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| jam berhenti | | | | | = | 9,58 jam | |

| | | | | PG. Meritjan, 01 August 2022 | | | |
|-------------------------|---------|-----------|-----------|---------------------------------------|------------------------|----------|-----------|
| Gula MPG | 37,107 | 1.469,793 | 3.416,634 | Luas digiling | 18,662 | 435,203 | 1.324,517 |
| ~ ex TS | - | 45,112 | 125,2 | ~ TS | - | 7,005 | 18,591 |
| ~ ex TR D | 6,76 | 310,762 | 5,3 | ~ TR D | 10,915 | 276,159 | 886,083 |
| ~ ex TRM LL | 0,37 | 21,283 | -154,5 | ~ TRM LL | 7,747 | 152,039 | 419,843 |
| ~ subsidi | - | - | - | | | | |
| Gula MPTR | 31,493 | 671,707 | 2.253,266 | | | | |
| ~ ex TR D | 22,0 | 456,210 | 1.534,9 | | | | |
| ~ ex TRM LL | 1,84 | 39,850 | 250,7 | | | | |
| ~ Total kompensasi | 7,69 | 175,647 | 467,614 | | | | |
| Gula tertimbang | 68,6 | 2.141,500 | 5.669,90 | | | | |
| Gula MPG ex SPT TR 90% | 30,0 | 1.092,6 | 3.440,7 | | | | |
| XIII. METODE JAWA | | | | XIV. TREND GULA REDUKSI % Brix pada : | | | |
| Nilai nira | 8,71 | 9,16 | 9,10 | Nira perahan pertama | 15,29 | 14,60 | 14,81 |
| Kadar nira tebu | 80,00 | 78,09 | 78,98 | Nira mentah | 30,55 | 25,13 | 22,30 |
| Pot. Rendemen | 6,97 | 7,15 | 7,19 | Nira jernih | 16,38 | 17,32 | 17,62 |
| HPB I | 62,82 | 63,03 | 63,68 | Nira kental sulfitasi | 10,85 | 10,30 | 10,20 |
| HPB total | 91,54 | 91,67 | 92,04 | Tetes | | | |
| PSHK | 96,82 | 96,05 | 96,52 | XV. INFORMASI GILING | | | |
| Eff. Gilingan | 88,62 | 88,05 | 88,84 | Awal & waktu giling | 09-06-2022 - 06:00 Wib | | |
| Kristal NM | 93,58 | 2.196,4 | 6.609,5 | Rencana akhir giling | | | |
| Winter Rend. | 83,18 | 93,46 | 89,45 | XV. PRODUKTIVITAS | | | |
| Eff. Pabrik | 73,72 | 82,30 | 79,47 | TSAS % NM | 12,30 | 12,36 | 12,36 |
| Fakt. Rendemen | 0,59 | 0,64 | 0,63 | TSAS % ampas | 4,85 | 4,84 | 4,70 |
| Fakt. Molasses | 0,54 | 0,543 | 0,5443 | TSAS % tebu | 13,66 | 13,75 | 13,60 |
| Fakt. Gula actual | 1,002 | 1,002 | 1,002 | Eff. Tebang angkut | 57,72 | 58,42 | 59,52 |
| Fakt. Gula teoritis | 0,756 | 1,048 | 1,014 | Ha digiling TS | - | 7,01 | 18,59 |
| Kaps. Gil. Inklusif | 1.515,8 | 2.179,1 | 2.020,7 | Ha digiling TR | 18,66 | 428,20 | 1.305,926 |
| Kaps. Gil. Eksklusif | 2.523,4 | 2.250,4 | 2.242,3 | Tebu digiling TS | - | 624,2 | 1.690,0 |
| Rend. Sementara | 5,98 | 5,87 | 6,19 | Tebu digiling TR | 1.515,8 | 34.241,8 | 101.800,8 |
| Rend. Efektif | 5,98 | 5,86 | 6,19 | Hablur Eff. TS | - | 42,63 | 122,55 |
| Pol tebu - Total hilang | 5,14 | 5,89 | 5,72 | Hablur Eff. TR | 90,69 | 2.000,49 | 6.283,38 |
| Pol tebu x OR | 5,14 | 5,89 | 5,71 | Rend. Eff. TS | - | 6,83 | 7,25 |
| Eff pabrik x Pot Rend | 5,14 | 5,89 | 5,71 | Rend. Eff. TR | 5,98 | 5,84 | 6,17 |
| Fakt Rend x NN | 5,14 | 5,89 | 5,71 | | | | |
| 100/TCTS/Fakt. Gula | 5,14 | 5,89 | 5,71 | | | | |
| | | | | | | | |
| Umur tebu, % | | | | Varietas tebu ditebang, % | | | |
| ≤ 10 bulan | - | - | 0,13 | Masak awal | 2,28 | 3,54 | 7,16 |
| 10 s.d 12 bulan | 8,66 | 14,03 | 23,46 | Masak tengah | 4,14 | 6,69 | 7,37 |
| ≥ 12 bulan | 91,34 | 85,97 | 76,41 | Masak lambat | 93,58 | 89,77 | 85,47 |
| | 100,00 | 100,00 | 100,00 | | 100,00 | 100,00 | 100,00 |

Quality Assurance & SM

TEKPOL

Bakti Setiawan, ST.
Manajer Quality Assurance & SM

Catur Joko Prabowo, ST.MM
Manajer Tekpol

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