

**PERKIRAAN RUGI LABA**  
**PERUSAHAAN TEXTIL PT. MADATEX BANDUNG**  
**DENGAN MESIN LAMA TAHUN 1997-2003**

| No | KETERANGAN                  | TAHUN         |               |               |               |               |               |               |
|----|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|    |                             | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
| 1  | Penjualan                   | 3,589,337,730 | 3,709,169,718 | 3,831,078,880 | 3,954,622,300 | 4,080,584,970 | 4,028,314,890 | 4,338,412,060 |
| 2  | HPP                         | 2,596,044,237 | 2,670,176,869 | 2,673,312,102 | 2,781,447,404 | 2,870,594,463 | 2,937,884,373 | 3,128,354,196 |
|    | Laba Kotor                  | 993,293,493   | 1,038,992,849 | 1,157,766,778 | 1,173,174,896 | 1,210,000,507 | 1,090,430,517 | 1,210,057,864 |
|    | Biaya Usaha                 |               |               |               |               |               |               |               |
| 3  | Biaya Administrasi & Umum   | 375,529,642   | 390,937,769   | 406,647,540   | 422,658,958   | 438,972,020   | 455,586,726   | 474,725,078   |
| 4  | Biaya Penjualan & Pemasaran | 92,649,146    | 93,556,919    | 101,163,053   | 103,857,550   | 110,670,410   | 115,571,633   | 121,138,216   |
|    | Laba Kotor                  |               |               |               |               |               |               |               |
|    | Sebelum Pajak               | 523,965,530   | 393,937,769   | 406,647,540   | 422,658,958   | 438,972,020   | 455,586,726   | 474,725,078   |
| 5  | Pajak                       | 171,912,928   | 187,034,503   | 207,817,165   | 213,646,936   | 225,121,827   | 328,745,255   | 239,718,137   |
|    | Laba Bersih                 |               |               |               |               |               |               |               |
|    | Setelah Pajak               | 347,993,531   | 364,492,650   | 406,089,020   | 433,259,452   | 435,226,250   | 460,526,903   | 532,186,535   |

**PERKIRAAN RUGI LAE/A**  
**PERUSAHAAN TEXTIL PT. MADATEX BANDUNG**  
**DIENGAN MESIN BARU TAHUN 1997-2003**

| No | KETERANGAN                  | TAHUN         |               |               |               |               |               |               |
|----|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|    |                             | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
| 1  | Penjualan                   | 3.950,563,740 | 4,046.523,057 | 4,178,133.120 | 4,311,816,600 | 4.447,606,580 | 4,585.479,420 | 4,745,693.740 |
| 2  | HPP                         | 2.287,769,786 | 2,932.485,144 | 3,012,328.897 | 3,093,081,008 | 3.174,912,586 | 3,257.821,655 | 3,348,292.932 |
|    | Laba Kotor                  | 1.072,866,454 | 1,114.037,913 | 1,165,804.223 | 1,218,735,592 | 1.272,693,994 | 1,327.657,765 | 1,367,600.808 |
|    | Biaya Usaha                 |               |               |               |               |               |               |               |
| 3  | Biaya Administrasi & Umum   | 413,322,412   | 426.496,636   | 443,491.411   | 460,811,579   | 413,454,550   | 496.420,010   | 916,930.191   |
| 4  | Biaya Penjualan & Pemasaran | 101,310,483   | 105.333,051   | 110,328.873   | 115,424,014   | 120,627,169   | 125.975,705   | 131,907.929   |
|    | Laba Kotor                  |               |               |               |               |               |               |               |
|    | Sebelum Pajak               | 553,234,359   | 582.209,166   | 611,983.934   | 642,499,999   | 673,612,167   | 705.262,041   | 738,762.690   |
| 5  | Pajak                       | 189,331,321   | 197.773,208   | 206,194.377   | 218,875,000   | 229,764,259   | 240.841,714   | 252,566.942   |
|    | Laba Bersih                 |               |               |               |               |               |               |               |
|    | Setelah Pajak               | 363,852,138   | 384.435,958   | 405,789.557   | 423,624,999   | 441,847,908   | 464.420,324   | 486,195.748   |

## PERKIRAAN RUGI/LABA

DENGAN MESIN BARU TAHUN 1997/2003

*LAMA*

| NO | KETERANGAN                       | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
|----|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1  | PENJUALAN                        | 3,589,337,790 | 3,709,193,710 | 3,831,028,880 | 3,954,622,300 | 4,080,584,970 | 4,028,314,390 | 4,358,412,060 |
| 2  | BIAYA BAHAN BAKU                 | 932,648,900   | 955,756,493   | 979,106,174   | 1,002,699,561 | 1,026,535,037 | 1,050,757,407 | 1,079,988,870 |
| 3  | BIAYA UPAH LANGSUNG              | 669,430,795   | 686,496,142   | 703,751,656   | 721,751,656   | 738,833,188   | 738,833,188   | 778,318,369   |
| 4  | BIAYA PRINTING                   | 257,621,825   | 266,335,273   | 273,160,198   | 281,096,600   | 289,144,480   | 297,303,338   | 307,011,673   |
| 5  | BIAYA CELUP                      | 169,818,132   | 175,843,494   | 181,973,777   | 188,096,600   | 194,549,102   | 200,994,144   | 208,520,106   |
| 6  | BIAYA PLN, BBM & AIR             | 334,039,985   | 346,584,387   | 359,358,303   | 372,361,730   | 385,594,670   | 399,057,123   | 414,690,080   |
| 7  | DEPRESIASI                       | 60,000,000    | 60,000,000    | 25,000,000    | 25,000,000    | 25,000,000    | 25,000,000    | 25,000,000    |
| 8  | BIAYA PEMELIHARAAN &<br>REPARASI | 173,484,660   | 346,584,080   | 186,962,093   | 193,887,698   | 200,937,896   | 208,112,686   | 216,415,169   |
|    | JUMLAH BIAYA                     | 2,596,044,297 | 2,670,176,859 | 2,673,312,102 | 2,781,447,404 | 2,870,594,463 | 2,937,884,373 | 3,128,954,196 |
|    | LABA KOTOR                       | 993,293,403   | 1,039,021,841 | 1,121,716,778 | 1,170,374,896 | 1,209,990,507 | 1,270,430,517 | 1,328,457,984 |
| 9  | BIAYA PENJUALAN &<br>PEMASARAN   | 92,649,146    | 96,556,919    | 101,163,053   | 105,867,550   | 110,670,410   | 115,571,633   | 121,138,216   |
| 10 | BIAYA ADMINISTRASI & UMUM        | 375,529,642   | 390,937,759   | 406,647,540   | 422,658,958   | 438,972,020   | 455,586,726   | 474,725,078   |
|    | LABA KOTOR SEBELUM-PAJAK         | 523,465,500   | 551,527,153   | 613,906,185   | 641,848,388   | 660,348,077   | 699,272,158   | 731,594,669   |
|    | PAJAK                            | 177,912,928   | 187,034,503   | 207,817,165   | 218,646,936   | 225,121,827   | 238,745,255   | 259,718,134   |
|    | LABA BERSIH SETELAH PAJAK        | 347,999,581   | 364,492,650   | 406,089,020   | 433,259,452   | 435,226,250   | 460,526,903   | 582,186,535   |

## PERKIRAAN RUGI/LABA

DENGAN MESIN BARU TAHUN 1997/2003

| NO | KETERANGAN                       | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
|----|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1  | PENJUALAN                        | 3,950,563,740 | 4,046,523,057 | 4,178,133,120 | 4,311,816,600 | 4,447,606,680 | 4,585,479,420 | 4,745,893,740 |
| 2  | BIAYA BAHAN BAKU                 | 1,026,509,387 | 1,042,675,522 | 1,067,817,667 | 1,093,211,347 | 118,865,094   | 1,144,777,415 | 1,176,004,551 |
| 3  | BIAYA UPAH LANGSUNG              | 731,300,055   | 243,231,015   | 761,775,861   | 780,439,352   | 799,305,580   | 818,393,403   | 840,748,373   |
| 4  | BIAYA PRINTING                   | 283,548,527   | 289,465,556   | 297,909,596   | 306,470,657   | 315,155,120   | 323,950,564   | 337,307,338   |
| 5  | BIAYA CELUP                      | 186,908,392   | 191,835,168   | 198,461,323   | 205,193,246   | 212,047,510   | 219,008,832   | 227,058,446   |
| 6  | BIAYA PLN, BBM & AIR             | 364,912,192   | 375,227,548   | 388,987,349   | 402,949,002   | 417,155,019   | 431,604,788   | 448,239,731   |
| 7  | DEPRESIASI                       | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    |
| 8  | BIAYA PEMELIHARAAN &<br>REPARASI | 189,518,233   | 195,050,335   | 202,377,101   | 209,812,404   | 217,384,363   | 225,086,653   | 233,934,491   |
|    | JUMLAH BIAYA                     | 287,769,786   | 2,932,485,144 | 3,012,328,897 | 3,093,081,008 | 3,174,912,686 | 3,257,821,655 | 3,348,292,932 |
|    | LABA KOTOR                       | 1,072,366,454 | 1,114,037,913 | 1,165,804,223 | 1,218,735,592 | 1,272,693,994 | 1,327,657,765 | 1,387,600,810 |
| 9  | BIAYA PENJUALAN &<br>PEMASARAN   | 101,310,483   | 105,338,061   | 110,328,878   | 115,424,014   | 120,627,169   | 125,975,705   | 131,907,929   |
| 10 | BIAYA ADMINISTRASI & UMUM        | 413,322,412   | 426,490,686   | 443,491,411   | 460,811,579   | 478,454,658   | 496,420,019   | 516,930,191   |
|    | LABA KOTOR SEBELUM-PAJAK         | 558,234,059   | 582,209,166   | 611,983,934   | 642,499,999   | 673,612,167   | 705,262,041   | 738,762,690   |
|    | PAJAK                            | 189,381,921   | 197,773,208   | 206,194,377   | 218,875,000   | 229,764,259   | 240,841,714   | 252,566,942   |
|    | LABA BERSIH SETELAH PAJAK        | 368,852,138   | 384,435,958   | 405,789,557   | 423,624,999   | 441,847,908   | 464,420,324   | 486,195,748   |

**PERKIRAAN RUGI LABA**  
**PERUSAHAAN TEXTIL PT. MADATEX BANDUNG**  
**DENGAN MESIN LAMA TAHUN 1997-2003**

| No | KIETERANGAN                 | TAHUN         |               |               |               |               |               |               |
|----|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|    |                             | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
| 1  | Penjualan                   | 3,589,337,790 | 3,709,169,718 | 3,831,078,830 | 3,954,622,300 | 4,080,584,970 | 4,028,314,390 | 4,358,412,060 |
| 2  | HPP                         | 2,596,044,237 | 2,670,176,869 | 2,673,312,102 | 2,781,447,404 | 2,870,594,463 | 2,937,884,373 | 3,128,354,196 |
|    | Laba Kotor                  | 993,293,433   | 1,038,921,841 | 1,221,716,778 | 1,170,347,396 | 120,990,507   | 1,270,430,517 | 1,328,457,960 |
|    | Biaya Usaha                 |               |               |               |               |               |               |               |
| 3  | Biaya Administrasi & Umum   | 375,529,642   | 390,937,769   | 406,647,540   | 422,658,358   | 438,972,020   | 455,586,726   | 474,725,078   |
| 4  | Biaya Penjualan & Pemasaran | 92,649,146    | 96,556,919    | 101,163,053   | 105,857,550   | 110,670,410   | 115,571,633   | 121,138,216   |
|    | Laba Kotor                  |               |               |               |               |               |               |               |
|    | Sebelum Pajak               | 523,965,530   | 396,937,769   | 406,647,540   | 422,658,358   | 438,972,020   | 455,586,726   | 474,725,078   |
| 5  | Pajak                       | 171,912,928   | 187,024,503   | 207,817,165   | 213,646,336   | 225,121,827   | 328,745,255   | 259,718,137   |
|    | Laba Bersih                 |               |               |               |               |               |               |               |
|    | Setelah Pajak               | 347,999,531   | 364,492,650   | 406,089,020   | 433,239,452   | 435,226,250   | 460,526,903   | 532,186,535   |

**PERKIRAAN RUGI LAIN**  
**PERUSAHAAN TEXTIL PT. MADATEX BANDUNG**  
**DENGAN MESIN BARU TAHUN 1997-2003**

| No | KETERANGAN                  | TAHUN         |               |               |               |               |               |               |
|----|-----------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
|    |                             | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
| 1  | Penjualan                   | 3.950,563,740 | 4,046.523,057 | 4,178,133.120 | 4,311,816,600 | 4.447,606,680 | 4,585.479,420 | 4,745,893.740 |
| 2  | HPP                         | 2.287,769,786 | 2,932.485,144 | 3,012,328.897 | 3,093,081,008 | 3.174,912,686 | 3,257.821,655 | 3,348,292.932 |
|    | Laba Kotor                  | 1.072,866,454 | 1,114.037,913 | 1,165,804.223 | 1,218,735,592 | 1.272,693,994 | 1,327.657,765 | 1,387,600.803 |
|    | Biaya Usaha                 |               |               |               |               |               |               |               |
| 3  | Biaya Administrasi & Umum   | 413,322,412   | 426.496,636   | 443,491.411   | 460,311,579   | 413,454,650   | 496.420,010   | 916,930.191   |
| 4  | Biaya Penjualan & Pemasaran | 101,310,483   | 105.333,031   | 110,328.873   | 115,424,014   | 120,627,169   | 125.975,705   | 131,907.929   |
|    | Laba Kotor                  |               |               |               |               |               |               |               |
|    | Sebelum Pajak               | 553,234,359   | 582.209,166   | 611,983.934   | 642,499,999   | 673,612,167   | 705.262,041   | 738,762.690   |
| 5  | Pajak                       | 189,331,321   | 197.773,208   | 206,194.377   | 218,875,000   | 229,764,259   | 240.841,714   | 252,566.942   |
|    | Laba Bersih                 |               |               |               |               |               |               |               |
|    | Setelah Pajak               | 363,852,138   | 384.435,958   | 405,789.557   | 423,624,999   | 441,847,908   | 464.420,324   | 486,195.743   |

**PERKIRAAN RUGI/LABA**  
DENGAN MESIN BARU TAHUN 1997/2003

*LAMA*

| NO | KETERANGAN                       | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
|----|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1  | PENJUALAN                        | 3,589,337,790 | 3,709,193,710 | 3,831,028,880 | 3,954,622,300 | 4,080,584,970 | 4,028,314,390 | 4,358,412,060 |
| 2  | BIAYA BAHAN BAKU                 | 932,648,900   | 955,756,493   | 979,106,174   | 1,002,699,561 | 1,026,535,037 | 1,050,757,407 | 1,079,988,870 |
| 3  | BIAYA UPAH LANGSUNG              | 669,430,795   | 686,496,142   | 703,751,656   | 721,751,656   | 738,833,188   | 738,833,188   | 778,318,369   |
| 4  | BIAYA PRINTING                   | 257,621,825   | 266,335,273   | 273,160,198   | 281,096,600   | 289,144,480   | 297,303,838   | 307,011,673   |
| 5  | BIAYA CELUP                      | 169,818,132   | 175,843,494   | 181,973,777   | 188,096,600   | 194,549,102   | 200,994,144   | 208,520,106   |
| 6  | BIAYA PLN, BBM & AIR             | 334,039,985   | 346,584,387   | 359,358,303   | 372,361,730   | 385,594,670   | 399,057,123   | 414,690,080   |
| 7  | DEPRESIASI                       | 60,000,000    | 60,000,000    | 25,000,000    | 25,000,000    | 25,000,000    | 25,000,000    | 25,000,000    |
| 8  | BIAYA PEMELIHARAAN &<br>REPARASI | 173,484,660   | 346,584,080   | 186,962,093   | 193,887,698   | 200,937,896   | 208,112,686   | 216,415,169   |
|    | JUMLAH BIAYA                     | 2,596,044,297 | 2,670,176,869 | 2,673,312,102 | 2,781,447,404 | 2,870,594,463 | 2,937,884,373 | 3,128,954,196 |
|    | LABA KOTOR                       | 993,293,403   | 1,039,021,841 | 1,121,716,778 | 1,170,374,896 | 1,209,990,507 | 1,270,430,517 | 1,328,457,984 |
| 9  | BIAYA PENJUALAN &<br>PEMASARAN   | 92,649,146    | 96,556,919    | 101,163,053   | 105,867,550   | 110,670,410   | 115,571,633   | 121,138,216   |
| 10 | BIAYA ADMINISTRASI & UMUM        | 375,529,642   | 390,937,769   | 406,647,540   | 422,658,958   | 438,972,020   | 455,586,726   | 474,725,078   |
|    | LABA KOTOR SEBELUM-PAJAK         | 523,465,500   | 551,527,153   | 613,906,185   | 641,848,388   | 660,348,077   | 699,272,158   | 731,594,669   |
|    | PAJAK                            | 177,912,928   | 187,034,503   | 207,817,165   | 218,646,936   | 225,121,827   | 238,745,255   | 259,718,134   |
|    | LABA BERSIH SETELAH PAJAK        | 347,999,581   | 364,492,650   | 406,089,020   | 433,259,452   | 435,226,250   | 460,526,903   | 582,186,535   |

## PERKIRAAN RUGI/LABA

DENGAN MESIN BARU TAHUN 1997/2003

| NO | KETERANGAN                       | 1997<br>(Rp)  | 1998<br>(Rp)  | 1999<br>(Rp)  | 2000<br>(Rp)  | 2001<br>(Rp)  | 2002<br>(Rp)  | 2003<br>(Rp)  |
|----|----------------------------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| 1  | PENJUALAN                        | 3,950,563,740 | 4,046,523,057 | 4,178,133,120 | 4,311,816,600 | 4,447,606,680 | 4,585,479,420 | 4,745,893,740 |
| 2  | BIAYA BAHAN BAKU                 | 1,026,509,387 | 1,042,675,522 | 1,067,817,667 | 1,093,211,347 | 118,865,094   | 1,144,777,415 | 1,176,004,551 |
| 3  | BIAYA UPAH LANGSUNG              | 731,300,055   | 243,231,015   | 761,775,861   | 780,439,352   | 799,305,580   | 818,393,403   | 840,748,373   |
| 4  | BIAYA PRINTING                   | 283,548,527   | 289,465,556   | 297,909,596   | 306,470,657   | 315,155,120   | 323,950,564   | 337,307,338   |
| 5  | BIAYA CELUP                      | 186,908,392   | 191,835,168   | 198,461,323   | 205,193,246   | 212,047,510   | 219,008,832   | 227,058,446   |
| 6  | BIAYA PLN, BBM & AIR             | 364,912,192   | 375,227,548   | 388,987,349   | 402,949,002   | 417,155,019   | 431,604,788   | 448,239,731   |
| 7  | DEPRESIASI                       | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    | 95,000,000    |
| 8  | BIAYA PEMELIHARAAN &<br>REPARASI | 189,518,233   | 195,050,335   | 202,377,101   | 209,812,404   | 217,334,363   | 225,086,653   | 233,934,491   |
|    | JUMLAH BIAYA                     | 287,769,786   | 2,932,485,144 | 3,012,328,897 | 3,093,081,008 | 3,174,912,686 | 3,257,821,655 | 3,348,292,932 |
|    | LABA KOTOR                       | 1,072,366,454 | 1,114,037,913 | 1,165,804,223 | 1,218,735,592 | 1,272,693,994 | 1,327,657,765 | 1,387,600,810 |
| 9  | BIAYA PENJUALAN &<br>PEMASARAN   | 101,310,483   | 105,338,061   | 110,328,878   | 115,424,014   | 120,627,169   | 125,975,705   | 131,907,929   |
| 10 | BIAYA ADMINISTRASI & UMUM        | 413,322,412   | 426,490,686   | 443,491,411   | 460,811,579   | 478,454,658   | 496,420,019   | 516,930,191   |
|    | LABA KOTOR SEBELUM-PAJAK         | 558,234,059   | 582,209,166   | 611,983,934   | 642,499,999   | 673,612,167   | 705,262,041   | 738,762,690   |
|    | PAJAK                            | 189,381,921   | 197,773,208   | 206,194,377   | 218,875,000   | 229,764,259   | 240,841,714   | 252,566,942   |
|    | LABA BERSIH SETELAH PAJAK        | 368,852,138   | 384,435,958   | 405,789,557   | 423,624,999   | 441,847,908   | 464,420,324   | 486,195,748   |



**PERUSAHAAN TEXTIL PT. MADATEX**  
**NERACA**  
**Per 31 Desember 1992**

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**AKTIVA**

|                                      |               |
|--------------------------------------|---------------|
| Aktiva Lancar                        | 1.246.275     |
| - Kas                                | 11.717.950    |
| Persediaan                           |               |
| - Persediaan Bahan Baku              | 10.034.500    |
| - Persediaan Bahan Baku Dalam Proses | 12.815.490    |
| - Persediaan Barang Jadi             | 12.217.960    |
| Asuransi Dibayar Dimuka              | 579.440       |
| Supplay Kantor                       | 229.650       |
|                                      | <hr/>         |
| Jumlah Aktiva Lancar                 | 48.841.265    |
| <br>                                 |               |
| Aktiva Tetap                         |               |
| - Inventaris Kantor                  | 1.019.750     |
| (Akumulasi Depresiasi)               | (101.750)     |
| - Mesin-mesin                        | 2.542.730.220 |
| (Akumulasi Depresiasi)               | (247.916.200) |
| - Kendaraan                          | 149.969.500   |
| (Akumulasi Depresiasi)               | (14.247.100)  |
| - Gedung & Bangunan                  | 514.574.000   |
| (Akumulasi Depresiasi)               | (38.593.050)  |
|                                      | <hr/>         |
| Jumlah Aktiva Tetap                  | 2.907.435.370 |

**PASIVA**

|                              |               |
|------------------------------|---------------|
| Hutang Lancar                |               |
| - Hutang Dagang              | 420.005.505   |
| - Hutang Gaji                | 12.230.630    |
| Pendapatan Diterima Dimuka   | 124.040.500   |
|                              | <hr/>         |
| Jumlah Hutang Lancar         | 556.276.635   |
| <br>                         |               |
| Hutang Jangka Panjang        | 600.000.000   |
| - Modal Hermanto Prawiro     | 750.000.000   |
| - Modal Edy Wiyanto          | 1.050.000.000 |
|                              | <hr/>         |
| Jumlah Hutang Jangka Panjang | 2.400.000.000 |

**PERUSAHAAN TEXTIL PT. MADATEX**  
**NERACA**  
**Per 31 Desember 1993**

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**AKTIVA**

Aktiva Lancar

|                                |            |
|--------------------------------|------------|
| - Kas                          | 1.639.500  |
| - Pihutang Dagang              | 16.119.750 |
| Persediaan                     |            |
| - Persediaan Bahan Baku        | 12.465.280 |
| - Persediaan Bahan Baku Proses | 15.841.430 |
| - Persediaan Barang Jadi       | 16.460.335 |
| Asuransi Dibayar Dimuka        | 708.350    |
| Supplay Kantor                 | 357.785    |

Jumlah Aktiva Lancar 63.702.430

Aktiva Tetap

|                        |               |
|------------------------|---------------|
| - Investment Kantor    | 1.757.910     |
| (Akumulasi Depresiasi) | (171.400)     |
| - Mesin-mesin          | 2.622.975.000 |
| (Akumulasi Depresiasi) | (249.182.625) |
| - Kendaraan            | 167.942.000   |
| (Akumulasi Depresiasi) | (16.374.350)  |
| - Gedung & Bangunan    | 535.558.000   |
| (Akumulasi Depresiasi) | (40.166.850)  |

Jumlah Aktiva Tetap 3.022.337.685

**PASIVA**

Hutang Lancar

|                            |             |
|----------------------------|-------------|
| - Hutang Dagang            | 332.603.065 |
| - Hutang Gaji              | 14.189.550  |
| Pendapatan Diterima Dimuka | 149.247.500 |

Jumlah Hutang Lancar 686.040.115

Hutang Jangka Panjang

|                          |               |
|--------------------------|---------------|
| - Modal Hermanto Prawiro | 600.000.000   |
| - Modal Edy Wiyanto      | 750.000.000   |
| - Modal Onggo Setiono    | 1.050.000.000 |

Jumlah Hutang Jangka 2.400.000.000

**PERUSAHAAN TEXTIL PT. MADATEX**  
**NERACA**  
**Per 31 Desember 1994**

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**AKTIVA**

**Aktiva Lancar**

|                   |            |
|-------------------|------------|
| - Kas             | 2.163.475  |
| - Pihutang Dagang | 29.566.000 |

**Persediaan**

|                                |            |
|--------------------------------|------------|
| - Persediaan Bahan Baku        | 14.522.150 |
| - Persediaan Bahan Baku Proses | 17.579.150 |
| - Persediaan Barang Jadi       | 17.159.450 |
| Asuransi Dibayar Dimuka        | 749.450    |
| Supplay Kantor                 | 460.300    |

---

|                             |                   |
|-----------------------------|-------------------|
| <b>Jumlah Aktiva Lancar</b> | <b>81.600.180</b> |
|-----------------------------|-------------------|

**Aktiva Tetap**

|                        |               |
|------------------------|---------------|
| - Investment Kantor    | 2.148.220     |
| (Akumulasi Depresiasi) | (209.450)     |
| - Mesin-mesin          | 2.727.412.000 |
| (Akumulasi Depresiasi) | (259.104.000) |
| - Kendaraan            | 174.253.000   |
| (Akumulasi Depresiasi) | (16.489.650)  |
| - Gedung & Bangunan    | 562.318.000   |
| (Akumulasi Depresiasi) | (42.173.865)  |

---

|                            |                      |
|----------------------------|----------------------|
| <b>Jumlah Aktiva Tetap</b> | <b>3.148.154.115</b> |
|----------------------------|----------------------|

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**PASIVA**

**Hutang Lancar**

|                            |             |
|----------------------------|-------------|
| - Hutang Dagang            | 544.095.795 |
| - Hutang Gaji              | 17.716.000  |
| Pendapatan Diterima Dimuka | 267.942.500 |

---

|                             |                    |
|-----------------------------|--------------------|
| <b>Jumlah Hutang Lancar</b> | <b>829.754.295</b> |
|-----------------------------|--------------------|

**Hutang Jangka Panjang**

|                          |               |
|--------------------------|---------------|
| - Modal Hermanto Prawiro | 600.000.000   |
| - Modal Edy Wiyanto      | 750.000.000   |
| - Modal Onggo Setiono    | 1.050.000.000 |

---

|                             |                      |
|-----------------------------|----------------------|
| <b>Jumlah Hutang Jangka</b> | <b>2.400.000.000</b> |
|-----------------------------|----------------------|

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**PERUSAHAAN TEXTIL PT. MADATEX**  
**NERACA**  
**Per 31 Desember 1995**

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**AKTIVA**

|                                |               |
|--------------------------------|---------------|
| Aktiva Lancar                  |               |
| - Kas                          | 2.542.725     |
| - Pihutang Dagang              | 34.205.380    |
| Persediaan                     |               |
| - Persediaan Bahan Baku        | 16.814.850    |
| - Persediaan Bahan Baku Proses | 18.950.220    |
| - Persediaan Barang Jadi       | 24.783.450    |
| Asuransi Dibayar Dimuka        | 1.223.630     |
| Supplay Kantor                 | 747.710       |
|                                | <hr/>         |
| Jumlah Aktiva Lancar           | 99.267.965    |
| <br>                           |               |
| Aktiva Tetap                   |               |
| - Investment Kantor            | 2.552.260     |
| (Akumulasi Depresiasi)         | (248.845)     |
| - Mesin-mesin                  | 2.653.381.625 |
| (Akumulasi Depresiasi)         | (252.071.250) |
| - Kendaraan                    | 175.791.500   |
| (Akumulasi Depresiasi)         | (17.139.670)  |
| - Gedung & Bangunan            | 591.309.240   |
| (Akumulasi Depresiasi)         | (44.348.190)  |
|                                | <hr/>         |
| Jumlah Aktiva Tetap            | 3.109.226.670 |

**PASIVA**

|                            |               |
|----------------------------|---------------|
| Hutang Lancar              |               |
| - Hutang Dagang            | 345.849.415   |
| - Hutang Gaji              | 18.909.670    |
| Pendapatan Diterima Dimuka | 344.467.585   |
|                            | <hr/>         |
| Jumlah Hutang Lancar       | 709.226.670   |
| <br>                       |               |
| Hutang Jangka Panjang      |               |
| - Modal Hermanto Prawiro   | 600.000.000   |
| - Modal Edy Wiyanto        | 750.000.000   |
| - Modal Onggo Setiono      | 1.050.000.000 |
|                            | <hr/>         |
| Jumlah Hutang Jangka       | 2.400.000.000 |

**PERUSAHAAN TEXTIL PT. MADATEX**  
**NERACA**  
**Per 31 Desember 1996**

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**AKTIVA**

|                                |               |
|--------------------------------|---------------|
| Aktiva Lancar                  |               |
| - Kas                          | 3.826.985     |
| - Pihutang Dagang              | 49.392.350    |
| Persediaan                     |               |
| - Persediaan Bahan Baku        | 17.579.150    |
| - Persediaan Bahan Baku Proses | 21.482.200    |
| - Persediaan Barang Jadi       | 26.125.530    |
| Asuransi Dibayar Dimuka        | 1.518.450     |
| Supplay Kantor                 | 845.900       |
|                                | <hr/>         |
| Jumlah Aktiva Lancar           | 120.770.565   |
| Aktiva Tetap                   |               |
| - Investment Kantor            | 4.446.585     |
| (Akumulasi Depresiasi)         | (336.040)     |
| - Mesin-mesin                  | 2.727.412.000 |
| (Akumulasi Depresiasi)         | (259.412.000) |
| - Kendaraan                    | 180.046.500   |
| (Akumulasi Depresiasi)         | (17.554.575)  |
| - Gedung & Bangunan            | 632.450.000   |
| (Akumulasi Depresiasi)         | (47.433.750)  |
|                                | <hr/>         |
| Jumlah Aktiva Tetap            | 3.218.924.580 |

**PASIVA**

|                            |               |
|----------------------------|---------------|
| Hutang Lancar              |               |
| - Hutang Dagang            | 415.688.030   |
| - Hutang Gaji              | 20.538.050    |
| Pendapatan Diterima Dimuka | 382.698.500   |
|                            | <hr/>         |
| Jumlah Hutang Lancar       | 818.924.580   |
| Hutang Jangka Panjang      |               |
| - Modal Hermanto Prawiro   | 600.000.000   |
| - Modal Edy Wiyanto        | 750.000.000   |
| - Modal Onggo Setiono      | 1.050.000.000 |
|                            | <hr/>         |
| Jumlah Hutang Jangka       | 2.400.000.000 |

**LAPORAN RUGI - LABA**  
**Perusahaan Textil PT. MADATEX**  
**Per 31 Desember 1992**

|                             |             |               |
|-----------------------------|-------------|---------------|
| Penjualan                   |             | 2.678.583.600 |
| HPP                         |             | 2.080.886.440 |
|                             |             | 597.697.160   |
|                             |             |               |
| Laba Kotor                  |             |               |
| Biaya Usaha                 |             |               |
| Biaya administrasi & umum   | 280.768.360 |               |
| Biaya penjualan & pemasaran | 65.295.200  |               |
|                             |             | 346.064.560   |
| Jumlah biaya usaha          |             | 346.064.560   |
|                             |             |               |
| Laba usaha                  |             | 251.632.600   |
| Biaya lain-lain             |             |               |
| Biaya bunga                 |             | 22.835.616    |
|                             |             | 228.796.984   |
| Laba bersih sebelum pajak   |             | 228.796.984   |
| Pajak                       |             | 74.078.944    |
|                             |             | 154.718.040   |

Sumber data: Dari perusahaan.

NB:

Pajak

15% X 10.000.000 = 1.500.000

25% X 40.000.000 = 10.000.000

35% X 178.796.984 = 62.578.944

|  |  |            |
|--|--|------------|
|  |  | 74.078.944 |
|--|--|------------|

**LAPORAN RUGI - LABA**  
**Perusahaan Textil PT. MADATEX**  
**Per 31 Desember 1993**

|                             |               |
|-----------------------------|---------------|
| Penjualan                   | 2.832.083.520 |
| HPP                         | 2.173.948.050 |
|                             | 658.135.464   |
| Laba Kotor                  |               |
| Biaya Usaha                 |               |
| Biaya administrasi & umum   | 295.008.700   |
| Biaya penjualan & pemasaran | 70.802.088    |
|                             | 365.810.788   |
| Jumlah biaya usaha          | 365.810.788   |
| Laba usaha                  | 292.324.676   |
| Biaya lain-lain             |               |
| Biaya bunga                 | 22.751.668    |
|                             | 269.573.008   |
| Laba bersih sebelum pajak   | 269.573.008   |
| Pajak                       | 88.350.553    |
|                             | 181.222.455   |
| Laba bersih setelah pajak   |               |

Sumber data: Dari perusahaan.

NB:

Pajak

15% X 10.000.000 = 1.500.000

25% X 40.000.000 = 10.000.000

35% X 219.573.008 = 75.850.553

|        |            |
|--------|------------|
|        | 88.350.553 |
| Jumlah |            |

**LAPORAN RUGI - LABA**  
**Perusahaan Textil PT. MADATEX**  
**Per 31 Desember 1994**

|                             |             |               |
|-----------------------------|-------------|---------------|
| Penjualan                   |             | 2.951.814.825 |
| HPP                         |             | 2.252.283.525 |
|                             |             | 699.631.300   |
| Lab Kotor                   |             |               |
| Biaya Usaha                 |             |               |
| Biaya administrasi & umum   | 314.169.765 |               |
| Biaya penjualan & pemasaran | 72.226.923  |               |
|                             |             | 386.396.680   |
| Jumlah biaya usaha          |             | 386.396.680   |
| Lab usaha                   |             | 313.234.612   |
| Biaya lain-lain             |             |               |
| Biaya bunga                 |             | 21.572.585    |
| Lab bersih sebelum pajak    |             | 291.662.072   |
| Pajak                       |             | 96.081.709    |
| Lab bersih setelah pajak    |             | 195.580.363   |

Sumber data: Dari perusahaan.

NB:

Pajak

15% X 10.000.000 = 1.500.000

25% X 40.000.000 = 10.000.000

35% X 241.662.072 = 84.581.709

|        |  |            |
|--------|--|------------|
|        |  | 96.590.709 |
| Jumlah |  |            |



**LAPORAN RUGI - LABA**  
**Perusahaan Textil PT. MADATEX**  
**Per 31 Desember 1995**

|                             |             |               |
|-----------------------------|-------------|---------------|
| Penjualan                   |             | 3.026.343.720 |
| HPP                         |             | 2.288.015.118 |
|                             |             | 738.328.602   |
| Laba Kotor                  |             |               |
| Biaya Usaha                 |             |               |
| Biaya administrasi & umum   | 320.766.430 |               |
| Biaya penjualan & pemasaran | 78.267.510  |               |
|                             |             | 400.033.940   |
| Jumlah biaya usaha          |             | 400.033.940   |
| Laba usaha                  |             | 338.294.662   |
| Biaya lain-lain             |             |               |
| Biaya bunga                 |             | 21.444.783    |
|                             |             | 316.849.979   |
| Laba bersih sebelum pajak   |             | 316.849.979   |
| Pajak                       |             | 104.897.458   |
|                             |             | 211.952.241   |
| Laba bersih setelah pajak   |             | 211.952.241   |

Sumber data: Dari perusahaan.

NB:

Pajak

15% X 10.000.000 = 1.500.000

25% X 40.000.000 = 10.000.000

35% X 266.849.879 = 93.397.458

|        |  |             |
|--------|--|-------------|
|        |  | 104.897.458 |
| Jumlah |  |             |

**LAPORAN RUGI - LABA**  
**Perusahaan Textil PT. MADATEX**  
**Per 31 Desember 1996**

|                             |             |               |
|-----------------------------|-------------|---------------|
| Penjualan                   |             | 3.123.715.470 |
| HPP                         |             | 2.356.019.111 |
|                             |             | 767.969.359   |
| <b>Laba Kotor</b>           |             |               |
| Biaya Usaha                 |             |               |
| Biaya administrasi & umum   | 335.214.090 |               |
| Biaya penjualan & pemasaran | 81.181.306  |               |
|                             |             | 416.495.396   |
| Jumlah biaya usaha          |             | 416.495.396   |
| Laba usaha                  |             | 351.200.963   |
| Biaya lain-lain             |             |               |
| Biaya bunga                 |             | 20.781.713    |
|                             |             | 330.419.250   |
| Laba bersih sebelum pajak   |             | 330.419.250   |
| Pajak                       |             | 109.646.378   |
|                             |             | 220.772.512   |
| Laba bersih setelah pajak   |             | 220.772.512   |

Sumber data: Dari perusahaan.

NB:

Pajak

15% X 10.000.000 = 1.500.000

25% X 40.000.000 = 10.000.000

35% X 280.419.250 = 98.146.738

|        |  |             |
|--------|--|-------------|
|        |  | 109.646.738 |
| Jumlah |  | 109.646.738 |

LAMPIRAN

Perhitungan pajak apabila perusahaan jadi melakukan penggantian mesin produksinya, untuk tahun 1997-2003.

Tahun 1997

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 508.234.059 | = | 177.881.921 |

Jumlah = 189.381.921

Tahun 1998

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 532.209.160 | = | 186.273.208 |

Jumlah = 197.773.208

Tahun 1999

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 551.983.934 | = | 196.694.377 |

Jumlah = 208.194.377

Tahun 2000

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 592.499.999 | = | 207.375.000 |

Jumlah = 218.875.000

Tahun 2001

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 623.612.167 | = | 218.264.259 |

Jumlah = 229.764.259

Tahun 2002

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 623.612.167 | = | 218.264.259 |

Jumlah = 229.764.259

Tahun 2002

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 655.262.690 | = | 229.341.714 |

Jumlah = 240.841.714

Tahun 2003

|       |             |   |             |
|-------|-------------|---|-------------|
| 15% X | 10.000.000  | = | 1.500.000   |
| 25% X | 40.000.000  | = | 10.000.000  |
| 35% X | 655.262.660 | = | 241.066.942 |

Jumlah = 252.566.942

#### LAMPIRAN

Perhitungan pajak apabila perusahaan jadi melakukan penggantian mesin produksinya, untuk tahun 1997 - 2003

Tahun 1997

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 475.465.509 = 166.412.928$$

---

$$\text{Jumlah} = 177.912.928$$

Tahun 1998

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 501.527.153 = 175.534.503$$

---

$$\text{Jumlah} = 187.034.503$$

Tahun 1999

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 560.906.185 = 196.317.165$$

---

$$\text{Jumlah} = 207.817.165$$

Tahun 2000

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 591.848.388 = 207.146.936$$

---

$$\text{Jumlah} = 218.646.936$$

Tahun 2001

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 610.348.077 = 213.621.827$$

---

$$\text{Jumlah} = 225.121.827$$

Tahun 2002

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 610.348.077 = 213.621.827$$

---

$$\text{Jumlah} = 238.745.255$$

Tahun 2003

$$15\% \times 10.000.000 = 1.500.000$$

$$25\% \times 40.000.000 = 10.000.000$$

$$35\% \times 682.594.669 = 238.908.134$$

---

$$\text{Jumlah} = 250.408.134$$

LAMPIRAN: 1

Perkiraan Penjualan Dengan Mesin Lama

| Tahun   | Y         | X   | X <sup>2</sup> | XY          |
|---------|-----------|-----|----------------|-------------|
| 1992    | 1.047.580 | -,2 | 4              | - 3.295.160 |
| 1993    | 1.664.520 | - 1 | 1              | - 1.664.520 |
| 1994    | 1.689.027 | 0   | 0              | 0           |
| 1995    | 1.727.895 | 1   | 1              | 1.727.895   |
| 1996    | 1.732.860 | 2   | 4              | 3.465.720   |
| Jumlah: | 8.461.882 | 0   | 10             | 228.935     |

$$Y = a + b(X)$$

$$a = \frac{Y}{X^2} = \frac{8.461.882}{10} = 1.692.372$$

$$Y = 1.692.882 + 22.894(X)$$

Untuk tahun 1997, (X) = 3

$$\begin{aligned} 1997 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(3) \\ &= 1.692.372 + 68.682 = 1.762.058 \end{aligned}$$

Untuk tahun 1998, (X) = 4

$$\begin{aligned} 1998 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(4) \\ &= 1.692.372 + 91.576 = 1.784.787 \end{aligned}$$

Untuk tahun 1999, (X) = 5

$$\begin{aligned} 1999 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(5) \\ &= 1.692.372 + 114.470 = 1.807.846 \end{aligned}$$

Untuk tahun 2000, (X) = 6

$$\begin{aligned} 2000 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(6) \\ &= 1.692.372 + 160.250 = 1.853.634 \end{aligned}$$

Untuk tahun 2002, (X) = 8

$$\begin{aligned} 2002 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(8) \\ &= 1.692.372 + 183.152 = 1.876.528 \end{aligned}$$

Untuk tahun 2003, (X) = 9

$$\begin{aligned} 2003 &= 1.692.372 + 22.894(X) \\ &= 1.692.372 + 22.894(9) \\ &= 1.692.372 + 206.046 = 1.899.422 \end{aligned}$$

LAMPIRAN: 2

Produksi Gabungan Mesin Unit I & Unit II  
(Mesin Lama)

| Tahun   | Y          | X   | X <sup>2</sup> | XY          |
|---------|------------|-----|----------------|-------------|
| 1992    | 3.548.768  | - 2 | 4              | - 7.097.536 |
| 1993    | 3.544.528  | - 1 | 1              | - 3.544.528 |
| 1994    | 3.642.415  | 0   | 0              | 0           |
| 1995    | 3.758.556  | 1   | 1              | 3.758.556   |
| 1996    | 3.819.622  | 2   | 4              | 7.639.244   |
| Jumlah: | 18.313.889 | 0   | 10             | 655.756     |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{18.313.889}{5} = 3.622.778$$

$$b = \frac{XY}{X^2} = \frac{655.756}{10} = 65.575$$

$$Y = 3.622.778 + 65.575(X)$$

Untuk tahun 1997, (X) = 3  
 1997 = 3.622.778 + 65.575(X)  
 = 3.622.778 + 65.575(3)  
 = 3.622.778 + 169.725 = 3.859.503

Untuk tahun 1998, (X) = 4  
 1998 = 3.622.778 + 65.575(X)  
 = 3.622.778 + 65.575(4)  
 = 3.622.778 + 169.725 = 3.859.503

Untuk tahun 1999, (X) = 5  
 1999 = 3.622.778 + 65.575(X)  
 = 3.622.778 + 65.575(5)  
 = 3.622.778 + 327.875 = 3.990.653

Untuk tahun 2000, (X) = 6  
 2000 = 3.622.778 + 65.575(X)  
 = 3.622.778 + 65.575(6)  
 = 3.622.778 + 483.450 = 4.056.228

Untuk tahun 2001, (X) = 7  
 2001 = 3.622.778 + 65.575(X)  
 = 3.622.778 + 65.575(7)  
 = 3.622.778 + 559.025 = 4.121.803

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 3.622.778 + 65.575(X) \\ &= 3.622.778 + 65.575(8) \\ &= 3.622.778 + 624.600 = 4.187.378 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X) = 9} \\ 2003 &= 3.622.778 + 65.575(X) \\ &= 3.622.778 + 65.575(9) \\ &= 3.622.778 + 690.175 = 4.272.963 \end{aligned}$$



## LAMPIRAN: 3

## Harga Jual

| Tahun   | Y     | X   | X <sup>2</sup> | XY      |
|---------|-------|-----|----------------|---------|
| 1992    | 825   | - 2 | 4              | - 1.650 |
| 1993    | 840   | - 1 | 1              | - 840   |
| 1994    | 855   | 0   | 0              | 0       |
| 1995    | 870   | 1   | 1              | 870     |
| 1996    | 885   | 2   | 4              | 1.770   |
| Jumlah: | 4.275 | 0   | 10             | 150     |

$$Y = a + a(X)$$

$$a = \frac{Y}{n} = \frac{4.275}{5} = 855$$

$$b = \frac{XY}{X^2} = \frac{150}{10} = 15$$

$$Y = 855 + 15(X)$$

Untuk tahun 1997, (X) = 3

$$\begin{aligned} 1997 &= 855 + 15(X) \\ &= 855 + 15(3) \\ &= 855 + 45 \\ &= 930 \end{aligned}$$

Untuk tahun 1998, (X) = 4

$$\begin{aligned} 1998 &= 855 + 15(X) \\ &= 855 + 15(4) \\ &= 855 + 60 \\ &= 940 \end{aligned}$$

Untuk tahun 1999, (X) = 5

$$\begin{aligned} 1999 &= 855 + 15(X) \\ &= 855 + 15(5) \\ &= 855 + 75 \\ &= 960 \end{aligned}$$

Untuk tahun 2000, (X) = 6

$$\begin{aligned} 2000 &= 855 + 15(X) \\ &= 855 + 15(6) \\ &= 855 + 90 = 975 \end{aligned}$$

Untuk tahun 2001, (X) = 7

$$\begin{aligned} 2001 &= 855 + 15(X) \\ &= 855 + 15(7) \\ &= 855 + 105 = 990 \end{aligned}$$



Untuk tahun 2002, (X) = 8

$$\begin{aligned} 2002 &= 855 + 15(X) \\ &= 855 + 15(8) \\ &= 855 + 120 \\ &= 1.005 \end{aligned}$$

Untuk tahun 2003, (X) = 9

$$\begin{aligned} 2003 &= 855 + 15(X) \\ &= 855 + 15(9) \\ &= 855 + 135 \\ &= 1.020 \end{aligned}$$



## LAMPIRAN: 4

## Biaya Bahan Baku

| Tahun   | Y       | X  | X <sup>2</sup> | XY    |
|---------|---------|----|----------------|-------|
| 1992    | 232,5   | -2 | 4              | - 465 |
| 1993    | 234     | -1 | 1              | - 234 |
| 1994    | 236,5   | 0  | 0              | 0     |
| 1995    | 237,5   | 1  | 1              | 237,5 |
| 1996    | 240     | 2  | 4              | 480   |
| Jumlah: | 1.180,5 | 0  | 10             | 18,5  |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{1.180,5}{5} = 236,1$$

$$b = \frac{XY}{X^2} = \frac{18,5}{10} = 1,85$$

$$Y = 236,1 + 1,85(X)$$

Untuk tahun 1997, (X) = 3

$$\begin{aligned} 1997 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(3) \\ &= 236,1 + 5,55 = 241,65 \end{aligned}$$

Untuk tahun 1998, (X) = 4

$$\begin{aligned} 1998 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(4) \\ &= 236,1 + 7,40 = 243,5 \end{aligned}$$

Untuk tahun 1999, (X) = 5

$$\begin{aligned} 1999 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(5) \\ &= 236,1 + 9,25 = 245,35 \end{aligned}$$

Untuk tahun 2000, (X) = 6

$$\begin{aligned} 2000 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(6) \\ &= 236,1 + 11,1 = 247,2 \end{aligned}$$

Untuk tahun 2001, (X) = 7

$$\begin{aligned} 2001 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(7) \\ &= 236,1 + 12,95 = 249,05 \end{aligned}$$

$$\begin{aligned}\text{Untuk tahun 2002, } (X) &= 8 \\ 2002 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(8) \\ &= 236,1 + 14,8 = 250,9\end{aligned}$$

$$\begin{aligned}\text{Untuk tahun 2003, } (X) &= 9 \\ 2003 &= 236,1 + 1,85(X) \\ &= 236,1 + 1,85(9) \\ &= 236,1 + 16,65 = 252,75\end{aligned}$$



LAMPIRAN: 5

Biaya Upah Langsung

| Tahun   | Y     | X  | X <sup>2</sup> | XY     |
|---------|-------|----|----------------|--------|
| 1992    | 166,5 | -2 | 4              | -333   |
| 1993    | 167,5 | -1 | 1              | -167,5 |
| 1994    | 169   | 0  | 0              | 0      |
| 1995    | 170   | 1  | 1              | 170    |
| 1996    | 172,5 | 2  | 4              | 345    |
| Jumlah: | 845,5 | 0  | 10             | 14,5   |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{845,5}{5} = 169,1$$

$$b = \frac{XY}{X^2} = \frac{14,5}{10} = 1,45$$

$$Y = 169,1 + 1,45(X)$$

Untuk tahun 1997, (X) = 3

$$\begin{aligned} 1997 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(3) \\ &= 169,1 + 4,35 = 173,45 \end{aligned}$$

Untuk tahun 1998, (X) = 4

$$\begin{aligned} 1998 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(4) \\ &= 169,1 + 5,8 = 174,9 \end{aligned}$$

Untuk tahun 1999, (X) = 5

$$\begin{aligned} 1999 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(5) \\ &= 169,1 + 7,25 = 176,35 \end{aligned}$$

Untuk tahun 2000, (X) = 6

$$\begin{aligned} 2000 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(6) \\ &= 169,1 + 8,7 = 177,8 \end{aligned}$$

Untuk tahun 2001, (X) = 7

$$\begin{aligned} 2001 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(7) \\ &= 169,1 + 10,15 = 179,25 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2002, } (X) &= 8 \\ 2002 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(8) \\ &= 169,1 + 11,6 = 180,7 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, } (X) &= 9 \\ 2003 &= 169,1 + 1,45(X) \\ &= 169,1 + 1,45(9) \\ &= 169,1 + 13,05 = 182,15 \end{aligned}$$



LAMPIRAN: 6

Kontribusi Produksi

| Tahun | Kapasitas Produksi |                                |
|-------|--------------------|--------------------------------|
|       | Unit I             | Unit II (+20% dari mesin lama) |
| 1997  | 2.164.719          | 1.762.085 X 120% = 2.114.470   |
| 1998  | 2.233.298          | 1.784.787 X 120% = 2.141.744   |
| 1999  | 2.301.547          | 1.807.846 X 120% = 2.169.415   |
| 2000  | 2.369.961          | 1.830.740 X 120% = 2.196.888   |
| 2001  | 2.438.375          | 1.853.643 X 120% = 2.224.372   |
| 2002  | 2.506.789          | 1.876.528 X 120% = 2.251.834   |
| 2003  | 2.575.203          | 1.899.422 X 120% = 2.279.706   |

Biaya Upah Langsung Mesin Unit I

| Tahun | Per-Yard (Rp) | Produksi (Yard) | Jumlah (Rp) |
|-------|---------------|-----------------|-------------|
| 1997  | 173,45        | 2.164.719       | 375.470.510 |
| 1998  | 174,9         | 2.233.298       | 390.603.820 |
| 1999  | 176,35        | 2.301.547       | 405.577.815 |
| 2000  | 177,8         | 2.369.961       | 421.379.066 |
| 2001  | 179,25        | 2.438.375       | 437.078.719 |
| 2002  | 180,7         | 2.516.789       | 454.783.772 |
| 2003  | 182,15        | 2.575.203       | 469.073.226 |

Biaya Upah Langsung Mesin Unit II (Mesin Lama)

| Tahun | Per-Yard (Rp) | Produksi (Yard) | Penghematan 1,5% | Jumlah (Rp) |
|-------|---------------|-----------------|------------------|-------------|
| 1997  | 173,45        | 2.114.470       | 0,985            | 361.253.499 |
| 1998  | 174,9         | 2.141.744       | 0,985            | 368.972.161 |
| 1999  | 176,35        | 2.169.415       | 0,985            | 376.837.690 |
| 2000  | 177,8         | 2.196.888       | 0,985            | 384.747.586 |
| 2001  | 179,25        | 2.224.372       | 0,985            | 392.373.901 |
| 2002  | 180,7         | 2.251.834       | 0,985            | 400.802.808 |
| 2003  | 182,15        | 2.279.306       | 0,985            | 408.947.954 |

LAMPIRAN: 7

Biaya Printing

| Tahun   | Y    | X  | X <sup>2</sup> | XY    |
|---------|------|----|----------------|-------|
| 1992    | 62,5 | -2 | 4              | -125  |
| 1993    | 63,5 | -1 | 1              | -63,5 |
| 1994    | 64   | 0  | 0              | 0     |
| 1995    | 65   | 1  | 1              | 65    |
| 1996    | 66   | 2  | 4              | 132   |
| Jumlah: | 321  | 0  | 10             | 8,5   |

$$Y = a + b(X)$$

$$a = \frac{\sum Y}{n} = \frac{321}{5} = 64,2$$

$$b = \frac{\sum XY}{\sum X^2} = \frac{8,5}{10} = 0,85$$

$$Y = 64,2 + 0,85(X)$$

Untuk tahun 1997(X)=3  
 1997 = 64,2 + 0,85(X)  
 = 64,2 + 0,85(3)  
 = 64,2 + 2,55 = 66,75

Untuk tahun 1998(X)=4  
 1998 = 64,2 + 0,85(X)  
 = 64,2 + 0,85(4)  
 = 64,2 + 3,4 = 67,6

Untuk tahun 1999(X)=5  
 1999 = 64,2 + 0,85(X)  
 = 64,2 + 0,85(5)  
 = 64,2 + 4,25 = 68,45

Untuk tahun 2000,(X)=6  
 2000 = 64,2 + 0,85(X)  
 = 64,2 + 0,85(6)  
 = 64,2 + 5,1 = 69,3

Untuk tahun 2001,(X)=7  
 2001 = 64,2 + 0,85(X)  
 = 64,2 + 0,85(7)  
 = 64,2 + 5,95 = 70,15

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 64,2 + 0,85(X) \\ &= 64,2 + 0,85(8) \\ &= 64,2 + 6,8 = 71 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X)=9} \\ 2003 &= 64,2 + 0,85(X) \\ &= 64,2 + 0,85(9) \\ &= 64,2 + 7,65 = 71,85 \end{aligned}$$





LAMPIRAN: 8

Biaya Celup

| Tahun   | Y    | X  | X <sup>2</sup> | XY    |
|---------|------|----|----------------|-------|
| 1992    | 40   | -2 | 4              | -80   |
| 1993    | 40,5 | -1 | 1              | -40,5 |
| 1994    | 42   | 0  | 0              | 0     |
| 1995    | 42,5 | 1  | 1              | 42,5  |
| 1996    | 43   | 2  | 4              | 86    |
| Jumlah: | 208  | 0  | 10             | 8     |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{208}{5} = 41,6$$

$$b = \frac{XY}{X^2} = \frac{8}{10} = 0,8$$

$$Y = 41,6 + 0,8(X)$$

Untuk tahun 1997 (X)=3  
 1997 = 41,6 + 0,8 (X)  
 = 41,6 + 0,8 (3)  
 = 41,6 + 2,4 = 44

Untuk tahun 1998 (X)=4  
 1998 = 41,6 + 0,8 (X)  
 = 41,6 + 0,8 (4)  
 = 41,6 + 3,2 = 44,8

Untuk tahun 1999 (X)=5  
 1999 = 41,6 + 0,8 (X)  
 = 41,6 + 0,8 (5)  
 = 41,6 + 4 = 45,8

Untuk tahun 2000, (X)=6  
 2000 = 41,6 + 0,8(X)  
 = 41,6 + 0,8(6)  
 = 41,6 + 4,8 = 46,4

Untuk tahun 2001, (X)=7  
 2001 = 41,6 + 0,8(X)  
 = 41,6 + 0,8(7)  
 = 41,6 + 5,6 = 47,2

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 41,6 + 0,8 (X) \\ &= 41,6 + 0,8 (8) \\ &= 41,6 + 6,4 = 48 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X)=9} \\ 2003 &= 41,6 + 0,8 (X) \\ &= 41,6 + 0,8 (9) \\ &= 41,6 + 7,2 = 48,8 \end{aligned}$$



LAMPIRAN: 9

Biaya PLN, BBM & Air

| Tahun   | Y     | X  | X <sup>2</sup> | XY   |
|---------|-------|----|----------------|------|
| 1992    | 77,5  | -2 | 4              | -155 |
| 1993    | 80    | -1 | 1              | - 80 |
| 1994    | 81,5  | 0  | 0              | 0    |
| 1995    | 82,5  | 1  | 1              | 82,5 |
| 1996    | 85    | 2  | 4              | 170  |
| Jumlah: | 406,5 | 0  | 10             | 17,5 |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{406,5}{5} = 81,5$$

$$b = \frac{XY}{X^2} = \frac{17,5}{10} = 1,75$$

$$Y = 81,5 + 1,75(X)$$

Untuk tahun 1997(X)=3  
 1997 = 81,5 + 1,75(X)  
 = 81,5 + 1,75(3)  
 = 81,5 + 1,75 = 86,75

Untuk tahun 1998(X)=4  
 1998 = 81,5 + 1,75(X)  
 = 81,5 + 1,75(4)  
 = 81,5 + 7 = 88,5

Untuk tahun 1999(X)=5  
 1999 = 81,5 + 1,75(X)  
 = 81,5 + 1,75(5)  
 = 81,5 + 8,75 = 90,25

Untuk tahun 2000,(X)=6  
 2000 = 81,5 + 1,75(X)  
 = 81,5 + 1,75(6)  
 = 81,5 + 10,5 = 92

Untuk tahun 2001,(X)=7  
 2001 = 81,5 + 1,75(X)  
 = 81,5 + 1,75(7)  
 = 81,5 + 12,25 = 93,75

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 81,5 + 1,75(X) \\ &= 81,5 + 1,75(8) \\ &= 81,5 + 14 = 95,5 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X)=9} \\ 2003 &= 81,5 + 1,75(X) \\ &= 81,5 + 1,75(9) \\ &= 81,5 + 15,75 = 97,25 \end{aligned}$$



LAMPIRAN: 10

Kontribusi Produksi

| Tahun | Kapabilitas Produksi (Yard) |                                 |
|-------|-----------------------------|---------------------------------|
|       | Unit I                      | Unit II (+ 20% dari mesin lama) |
| 1997  | 2.164.719                   | 1.762.085 X 20% = 2.114.470     |
| 1998  | 2.233.298                   | 1.784.787 X 20% = 2.141.744     |
| 1999  | 2.301.547                   | 1.807.846 X 20% = 2.169.415     |
| 2000  | 2.369.961                   | 1.830.740 X 20% = 2.196.888     |
| 2001  | 2.438.375                   | 1.853.643 X 20% = 2.224.372     |
| 2002  | 2.506.789                   | 1.876.528 X 20% = 2.251.834     |
| 2003  | 2.575.203                   | 1.899.422 X 20% = 2.279.706     |

Biaya PLN, BBM & Air dengan mesin Unit I.

| Tahun | Per-Yard (Rp) | Produksi (Yard) | Jumlah (Rp) |
|-------|---------------|-----------------|-------------|
| 1997  | 86,75         | 2.164.719       | 187.789.373 |
| 1998  | 88,5          | 2.233.298       | 197.646.873 |
| 1999  | 90,25         | 2.301.547       | 207.714.617 |
| 2000  | 92            | 2.369.961       | 218.306.412 |
| 2001  | 93,75         | 2.438.375       | 228.597.656 |
| 2002  | 95,5          | 2.506.789       | 239.398.350 |
| 2003  | 97,75         | 2.575.203       | 250.438.490 |

Biaya PLN, BBM & Air dengan mesin baru (Unit II).

| Tahun | Per-Yard (Rp) | Produksi (Yard) | Penghematan 1,5% | Jumlah (Rp) |
|-------|---------------|-----------------|------------------|-------------|
| 1997  | 86,75         | 2.114.470       | 0,985            | 180.678.818 |
| 1998  | 88,5          | 2.141.744       | 0,985            | 186.701.179 |
| 1999  | 90,25         | 2.169.415       | 0,985            | 192.852.858 |
| 2000  | 92            | 2.196.888       | 0,985            | 199.081.990 |
| 2001  | 93,75         | 2.224.372       | 0,985            | 205.406.852 |
| 2002  | 95,5          | 2.251.834       | 0,985            | 211.824.395 |
| 2003  | 97,5          | 2.279.706       | 0,985            | 218.937.265 |

LAMPIRAN: 11

Biaya Pemeliharaan dan Reproduksi

| Tahun   | Y     | X  | X <sup>2</sup> | XY    |
|---------|-------|----|----------------|-------|
| 1992    | 40    | -2 | 4              | -80   |
| 1993    | 41,5  | -1 | 1              | -41,5 |
| 1994    | 42    | 0  | 0              | 0     |
| 1995    | 43    | 1  | 1              | 43    |
| 1996    | 44    | 2  | 4              | 88    |
| Jumlah: | 210,5 | 0  | 10             | 9,5   |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{210,5}{5} = 42,1$$

$$b = \frac{XY}{X^2} = \frac{9,5}{10} = 0,95$$

$$Y = 42,1 + 0,95(X)$$

Untuk tahun 1997, (X)=3

$$\begin{aligned} 1997 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(3) \\ &= 42,1 + 2,85 = 44,95 \end{aligned}$$

Untuk tahun 1998, (X)=4

$$\begin{aligned} 1998 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(4) \\ &= 42,1 + 3,8 = 45,9 \end{aligned}$$

Untuk tahun 1999, (X)=5

$$\begin{aligned} 1999 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(5) \\ &= 42,1 + 4,75 = 46,85 \end{aligned}$$

Untuk tahun 2000, (X)=6

$$\begin{aligned} 2000 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(6) \\ &= 42,1 + 5,7 = 47,8 \end{aligned}$$

Untuk tahun 2001, (X)=7

$$\begin{aligned} 2001 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(7) \\ &= 42,1 + 6,65 = 48,75 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(8) \\ &= 42,1 + 7,6 = 49,7 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X)=9} \\ 2003 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(9) \\ &= 42,1 + 0,55 = 50,55 \end{aligned}$$



LAMPIRAN: 12

Biaya Penjualan dan Pemasaran

| Tahun   | Y     | X   | X <sup>2</sup> | XY   |
|---------|-------|-----|----------------|------|
| 1992    | 20    | -20 | 4              | -40  |
| 1993    | 21    | -1  | 1              | -21  |
| 1994    | 21,5  | 0   | 0              | 0    |
| 1995    | 22,5  | 1   | 1              | 22,5 |
| 1996    | 44    | 2   | 4              | 88   |
| Jumlah: | 210,5 | 0   | 10             | 9,5  |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{210,5}{5} = 42,1$$

$$b = \frac{XY}{X^2} = \frac{9,5}{10} = 0,95$$

$$Y = 42,1 + 0,95(X)$$

Untuk tahun 1997, (X)=3

$$\begin{aligned}
 1997 &= 42,1 + 0,95(X) \\
 &= 42,1 + 0,95(3) \\
 &= 42,1 + 2,85 = 44,95
 \end{aligned}$$

Untuk tahun 1998, (X)=4

$$\begin{aligned}
 1998 &= 42,1 + 0,95(X) \\
 &= 42,1 + 0,95(4) \\
 &= 42,1 + 3,8 = 45,9
 \end{aligned}$$

Untuk tahun 1999, (X)=5

$$\begin{aligned}
 1999 &= 42,1 + 0,95(X) \\
 &= 42,1 + 0,95(5) \\
 &= 42,1 + 4,75 = 46,85
 \end{aligned}$$

Untuk tahun 2000, (X)=6

$$\begin{aligned}
 2000 &= 42,1 + 0,95(X) \\
 &= 42,1 + 0,95(6) \\
 &= 42,1 + 5,7 = 47,8
 \end{aligned}$$

Untuk tahun 2001, (X)=7

$$\begin{aligned}
 2001 &= 42,1 + 0,95(X) \\
 &= 42,1 + 0,95(7) \\
 &= 42,1 + 6,65 = 48,75
 \end{aligned}$$



$$\begin{aligned} &\text{Untuk tahun 2002, (X)=8} \\ 2002 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(8) \\ &= 42,1 + 7,6 = 49,7 \end{aligned}$$

$$\begin{aligned} &\text{Untuk tahun 2003, (X)=9} \\ 2003 &= 42,1 + 0,95(X) \\ &= 42,1 + 0,95(9) \\ &= 42,1 + 8,55 = 50,65 \end{aligned}$$



LAMPIRAN: 13

Biaya Administrasi dan Umum

| Tahun   | Y    | X  | X <sup>2</sup> | XY     |
|---------|------|----|----------------|--------|
| 1992    | 86   | -2 | 4              | - 172  |
| 1993    | 87,5 | -1 | 1              | - 87,5 |
| 1994    | 91   | 0  | 0              | 0      |
| 1995    | 92,5 | 1  | 1              | 92,5   |
| 1996    | 95   | 2  | 4              | 190    |
| Jumlah: | 452  | 0  | 10             | 23     |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{452}{5} = 90,4$$

$$b = \frac{XY}{n} = \frac{23}{10} = 2,3$$

$$Y = 90,4 + 2,3(X)$$

Untuk tahun 1997, (X)=3

$$\begin{aligned} 1997 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(3) \\ &= 90,4 + 6,9 = 97,3 \end{aligned}$$

Untuk tahun 1998, (X)=4

$$\begin{aligned} 1998 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(4) \\ &= 90,4 + 9,2 = 99,6 \end{aligned}$$

Untuk tahun 1999, (X)=5

$$\begin{aligned} 1999 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(5) \\ &= 90,4 + 11,5 = 101,5 \end{aligned}$$

Untuk tahun 2000, (X)=6

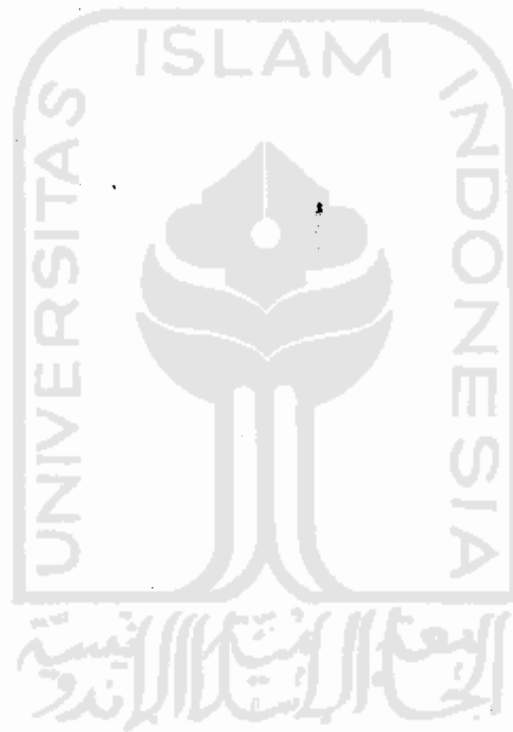
$$\begin{aligned} 2000 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(6) \\ &= 90,4 + 13,8 = 104,2 \end{aligned}$$

Untuk tahun 2001, (X)=7

$$\begin{aligned} 2001 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(7) \\ &= 90,4 + 16,1 = 106,5 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2002, (X)=8} \\ 2002 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(8) \\ &= 90,4 + 18,4 = 108,8 \end{aligned}$$

$$\begin{aligned} \text{Untuk tahun 2003, (X)=9} \\ 2003 &= 90,4 + 2,3(X) \\ &= 90,4 + 2,3(9) \\ &= 90,4 + 20,7 = 111,1 \end{aligned}$$



LAMPIRAN: 14

Produksi Industri

| Tahun   | Y           | X  | X <sup>2</sup> | XY            |
|---------|-------------|----|----------------|---------------|
| 1992    | 172.935.914 | -2 | 4              | - 345.871.828 |
| 1993    | 174.933.620 | -1 | 1              | - 174.933.620 |
| 1994    | 176.890.241 | 0  | 0              | 0             |
| 1995    | 179.122.451 | 1  | 1              | 179.122.451   |
| 1996    | 184.532.761 | 2  | 4              | 359.065.522   |
| Jumlah: | 888.414.987 | 0  | 10             | 14.502.525    |

$$Y = a + b(X)$$

$$a = \frac{Y}{n} = \frac{888.414.987}{5} = 177.682.828$$

$$b = \frac{XY}{X^2} = \frac{14.502.525}{10} = 1.450.252,5$$

$$Y = 177.682.828 + 1.450.252,5 (X)$$

Untuk tahun 1997, (X) = 3 dan seterusnya.

$$\begin{aligned} 1997 &= 177.682.828 + 1.450.252,5 (X) \\ &= 177.682.828 + 1.450.252,5 (3) \\ &= 177.682.828 + 4.350.758,5 = 182.033.754,5 \end{aligned}$$

Untuk tahun 1998, (X) = 4

$$\begin{aligned} 1998 &= 177.682.828 + 1.450.252,5 (X) \\ &= 177.682.828 + 1.450.252,5 (4) \\ &= 177.682.828 + 5.801.010 = 183.484.007 \end{aligned}$$

Untuk tahun 1999, (X) = 5

$$\begin{aligned} 1999 &= 177.682.828 + 1.450.252,5 (X) \\ &= 177.682.828 + 1.450.252,5 (5) \\ &= 177.682.828 + 7.251.252,5 = 184.934.529,5 \end{aligned}$$

Untuk tahun 2000, (X) = 6

$$\begin{aligned} 2000 &= 177.682.828 + 1.450.252,5 (X) \\ &= 177.682.828 + 1.450.252,5 (6) \\ &= 177.682.828 + 8.701.515 = 186.384.512 \end{aligned}$$

Untuk tahun 2001, (X) = 7

$$\begin{aligned} 2001 &= 177.682.828 + 1.450.252,5 (X) \\ &= 177.682.828 + 1.450.252,5 (7) \\ &= 177.682.828 + 10.151.767,5 = 187.834.764,5 \end{aligned}$$

Untuk tahun 2002, (X) = 8

$$2002 = 177.682.828 + 1.450.252,5 (X)$$

$$= 177.682.828 + 1.450.252,5 (8)$$

$$= 177.682.828 + 11.602.020 = 189.185.017,5$$

Untuk tahun 2003, (X) = 9

$$2003 = 177.682.828 + 1.450.252,5 (X)$$

$$= 177.682.828 + 1.450.252,5 (9)$$

$$= 177.682.828 + 13.052.272,5 = 190.735.269,5$$

