

# LAMPIRAN

## TABULASI

| NO | KODE | TAHUN | X1    | X2    | X3 | X4    | Y      |
|----|------|-------|-------|-------|----|-------|--------|
| 1  | ADES | 2015  | 0,481 | 0,333 | 3  | 0,915 | 0,991  |
| 2  | AKPI | 2015  | 0,602 | 0,333 | 3  | 0,586 | 0,470  |
| 3  | AMFG | 2015  | 0,620 | 0,333 | 4  | 0,665 | 0,349  |
| 4  | ARNA | 2015  | 0,833 | 0,333 | 4  | 0,481 | 2,584  |
| 5  | ASII | 2015  | 0,750 | 0,364 | 4  | 0,971 | 2,610  |
| 6  | AUTO | 2015  | 0,722 | 0,375 | 3  | 0,991 | 0,496  |
| 7  | BATA | 2015  | 0,519 | 0,400 | 3  | 0,961 | 1,128  |
| 8  | BOLT | 2015  | 0,694 | 0,500 | 5  | 0,576 | 2,691  |
| 9  | CEKA | 2015  | 0,528 | 0,333 | 3  | 0,920 | -0,004 |
| 10 | DLTA | 2015  | 0,509 | 0,333 | 3  | 0,971 | 3,323  |
| 11 | DVLA | 2015  | 0,556 | 0,333 | 3  | 0,927 | 0,592  |
| 12 | EKAD | 2015  | 0,426 | 0,500 | 3  | 0,754 | 0,239  |
| 13 | GGRM | 2015  | 0,315 | 0,500 | 3  | 0,755 | 1,398  |
| 14 | HDTX | 2015  | 0,287 | 0,333 | 3  | 0,910 | 1,239  |
| 15 | HMSP | 2015  | 0,296 | 0,250 | 5  | 0,925 | 10,880 |
| 16 | ICBP | 2015  | 0,435 | 0,500 | 3  | 0,805 | 2,816  |
| 17 | INAI | 2015  | 0,398 | 0,500 | 3  | 0,673 | 0,190  |
| 18 | INCI | 2015  | 0,444 | 0,250 | 3  | 0,021 | -0,216 |
| 19 | INDF | 2015  | 0,417 | 0,375 | 3  | 0,501 | 0,559  |
| 20 | INDS | 2015  | 0,620 | 0,333 | 3  | 0,881 | -0,050 |
| 21 | INTP | 2015  | 0,343 | 0,429 | 3  | 0,640 | 2,635  |
| 22 | JPFA | 2015  | 0,370 | 0,500 | 3  | 0,578 | 0,479  |
| 23 | KBLI | 2015  | 0,556 | 0,400 | 3  | 0,575 | 0,431  |
| 24 | KBLM | 2015  | 0,528 | 0,333 | 3  | 0,522 | 0,219  |
| 25 | KLBF | 2015  | 0,389 | 0,429 | 3  | 0,989 | 4,080  |
| 26 | LION | 2015  | 0,491 | 0,333 | 3  | 0,710 | 0,348  |
| 27 | LMSH | 2015  | 0,602 | 0,333 | 3  | 0,322 | -0,094 |
| 28 | MBTO | 2015  | 0,454 | 0,333 | 4  | 0,678 | -0,158 |
| 29 | MLBI | 2015  | 0,537 | 0,571 | 3  | 0,818 | 8,973  |
| 30 | RICY | 2015  | 0,519 | 0,333 | 3  | 0,564 | 0,041  |
| 31 | ROTI | 2015  | 0,630 | 0,333 | 3  | 0,708 | 2,626  |
| 32 | SMSM | 2015  | 0,556 | 0,333 | 3  | 0,840 | 0,507  |
| 33 | SPMA | 2015  | 0,556 | 0,800 | 3  | 0,781 | 0,378  |
| 34 | SRSN | 2015  | 0,602 | 0,375 | 3  | 0,780 | 0,164  |
| 35 | STAR | 2015  | 0,639 | 0,500 | 3  | 0,482 | 0,091  |
| 36 | TCID | 2015  | 0,565 | 0,500 | 4  | 0,848 | 1,235  |

|    |      |      |       |       |   |       |        |
|----|------|------|-------|-------|---|-------|--------|
| 37 | TIRT | 2015 | 0,491 | 0,500 | 3 | 0,795 | 0,265  |
| 38 | TOTO | 2015 | 0,602 | 0,400 | 3 | 0,924 | 2,776  |
| 39 | TRIS | 2015 | 0,667 | 0,333 | 4 | 0,670 | 0,227  |
| 40 | TRST | 2015 | 0,528 | 0,500 | 3 | 0,567 | 0,338  |
| 41 | TSPC | 2015 | 0,333 | 0,500 | 3 | 0,782 | 0,878  |
| 42 | ULTJ | 2015 | 0,565 | 0,333 | 3 | 0,445 | 2,834  |
| 43 | UNIT | 2015 | 0,574 | 0,500 | 3 | 0,548 | 0,239  |
| 44 | UNVR | 2015 | 0,361 | 0,800 | 5 | 0,989 | 18,219 |
| 45 | VOKS | 2015 | 0,509 | 0,400 | 3 | 0,210 | 0,449  |
| 46 | WIIM | 2015 | 0,611 | 0,333 | 3 | 0,225 | 0,233  |
| 47 | WTON | 2015 | 0,306 | 0,333 | 3 | 0,698 | 1,555  |
| 48 | ADES | 2016 | 0,519 | 0,333 | 3 | 0,915 | 0,851  |
| 49 | AKPI | 2016 | 0,602 | 0,333 | 3 | 0,586 | 0,473  |
| 50 | AMFG | 2016 | 0,620 | 0,333 | 3 | 0,665 | 0,550  |
| 51 | ARNA | 2016 | 0,833 | 0,333 | 4 | 0,140 | 2,443  |
| 52 | ASII | 2016 | 0,769 | 0,333 | 4 | 0,971 | 1,323  |
| 53 | AUTO | 2016 | 0,713 | 0,375 | 3 | 0,969 | 0,619  |
| 54 | BATA | 2016 | 0,620 | 0,500 | 3 | 0,962 | 0,920  |
| 55 | BOLT | 2016 | 0,731 | 0,500 | 3 | 0,576 | 1,615  |
| 56 | CEKA | 2016 | 0,713 | 0,333 | 3 | 0,920 | 0,167  |
| 57 | DLTA | 2016 | 0,565 | 0,333 | 2 | 0,846 | 2,622  |
| 58 | DVLA | 2016 | 0,602 | 0,429 | 3 | 0,927 | 0,881  |
| 59 | EKAD | 2016 | 0,472 | 0,500 | 3 | 0,754 | 0,264  |
| 60 | GGRM | 2016 | 0,296 | 0,500 | 3 | 0,755 | 1,658  |
| 61 | HDTX | 2016 | 0,287 | 0,333 | 3 | 0,910 | 1,069  |
| 62 | HMSP | 2016 | 0,278 | 0,250 | 5 | 0,925 | 9,885  |
| 63 | ICBP | 2016 | 0,435 | 0,500 | 3 | 0,805 | 3,281  |
| 64 | INAI | 2016 | 0,407 | 0,500 | 3 | 0,673 | 0,153  |
| 65 | INCI | 2016 | 0,444 | 0,333 | 5 | 0,927 | 12,621 |
| 66 | INDF | 2016 | 0,417 | 0,375 | 3 | 0,501 | 0,499  |
| 67 | INDS | 2016 | 0,620 | 0,333 | 3 | 0,881 | -0,017 |
| 68 | INTP | 2016 | 0,315 | 0,429 | 3 | 0,510 | 1,535  |
| 69 | JPFA | 2016 | 0,361 | 0,400 | 3 | 0,630 | 0,801  |
| 70 | KBLI | 2016 | 0,556 | 0,400 | 3 | 0,585 | -0,105 |
| 71 | KBLM | 2016 | 0,528 | 0,333 | 3 | 0,762 | 0,301  |
| 72 | KLBF | 2016 | 0,417 | 0,429 | 3 | 0,949 | 4,217  |
| 73 | LION | 2016 | 0,546 | 0,333 | 3 | 0,710 | 0,319  |
| 74 | LMSH | 2016 | 0,602 | 0,333 | 3 | 0,322 | 0,024  |
| 75 | MBTO | 2016 | 0,454 | 0,333 | 3 | 0,678 | -0,008 |

|            |      |      |       |       |   |       |        |
|------------|------|------|-------|-------|---|-------|--------|
| <b>76</b>  | MLBI | 2016 | 0,537 | 0,571 | 4 | 0,974 | 11,164 |
| <b>77</b>  | RICY | 2016 | 0,519 | 0,333 | 3 | 0,517 | 0,024  |
| <b>78</b>  | ROTI | 2016 | 0,630 | 0,333 | 3 | 0,694 | 2,955  |
| <b>79</b>  | SMSM | 2016 | 0,593 | 0,333 | 3 | 0,839 | 2,157  |
| <b>80</b>  | SPMA | 2016 | 0,556 | 0,800 | 3 | 0,932 | 0,346  |
| <b>81</b>  | SRSN | 2016 | 0,620 | 0,375 | 3 | 0,725 | 0,188  |
| <b>82</b>  | STAR | 2016 | 0,657 | 0,500 | 3 | 0,482 | 0,120  |
| <b>83</b>  | TCID | 2016 | 0,630 | 0,400 | 3 | 0,846 | 0,797  |
| <b>84</b>  | TIRT | 2016 | 0,491 | 0,500 | 3 | 0,780 | 0,315  |
| <b>85</b>  | TOTO | 2016 | 0,602 | 0,400 | 3 | 0,924 | 1,901  |
| <b>86</b>  | TRIS | 2016 | 0,667 | 0,333 | 3 | 0,670 | 0,255  |
| <b>87</b>  | TRST | 2016 | 0,528 | 0,500 | 3 | 0,567 | 0,310  |
| <b>88</b>  | TSPC | 2016 | 0,333 | 0,500 | 3 | 0,784 | 0,976  |
| <b>89</b>  | ULTJ | 2016 | 0,565 | 0,333 | 3 | 0,371 | 2,613  |
| <b>90</b>  | UNIT | 2016 | 0,593 | 0,500 | 3 | 0,548 | 0,194  |
| <b>91</b>  | UNVR | 2016 | 0,361 | 0,800 | 5 | 0,989 | 17,809 |
| <b>92</b>  | VOKS | 2016 | 0,509 | 0,286 | 3 | 0,210 | -0,022 |
| <b>93</b>  | WIIM | 2016 | 0,611 | 0,333 | 3 | 0,441 | -0,168 |
| <b>94</b>  | WTON | 2016 | 0,306 | 0,250 | 3 | 0,685 | 0,998  |
| <b>95</b>  | ADES | 2017 | 0,583 | 0,333 | 3 | 0,915 | 0,768  |
| <b>96</b>  | AKPI | 2017 | 0,602 | 0,333 | 3 | 0,700 | 0,404  |
| <b>97</b>  | AMFG | 2017 | 0,639 | 0,333 | 3 | 0,665 | 0,531  |
| <b>98</b>  | ARNA | 2017 | 0,833 | 0,500 | 4 | 0,140 | 1,463  |
| <b>99</b>  | ASII | 2017 | 0,796 | 0,333 | 4 | 0,971 | 1,163  |
| <b>100</b> | AUTO | 2017 | 0,722 | 0,375 | 3 | 0,969 | 0,590  |
| <b>101</b> | BATA | 2017 | 0,583 | 0,500 | 3 | 0,962 | 0,525  |
| <b>102</b> | BOLT | 2017 | 0,731 | 0,333 | 3 | 0,576 | 1,881  |
| <b>103</b> | CEKA | 2017 | 0,704 | 0,333 | 3 | 0,920 | 0,193  |
| <b>104</b> | DLTA | 2017 | 0,500 | 0,400 | 3 | 0,732 | 1,987  |
| <b>105</b> | DVLA | 2017 | 0,602 | 0,429 | 3 | 0,943 | 0,941  |
| <b>106</b> | EKAD | 2017 | 0,472 | 0,500 | 3 | 0,808 | 0,259  |
| <b>107</b> | GGRM | 2017 | 0,315 | 0,500 | 3 | 0,755 | 1,760  |
| <b>108</b> | HDTX | 2017 | 0,287 | 0,333 | 3 | 0,912 | 1,351  |
| <b>109</b> | HMSP | 2017 | 0,296 | 0,400 | 5 | 0,989 | 12,170 |
| <b>110</b> | ICBP | 2017 | 0,435 | 0,500 | 3 | 0,805 | 3,115  |
| <b>111</b> | INAI | 2017 | 0,417 | 0,500 | 3 | 0,726 | 0,260  |
| <b>112</b> | INCI | 2017 | 0,444 | 0,333 | 3 | 0,022 | -0,025 |
| <b>113</b> | INDF | 2017 | 0,435 | 0,375 | 3 | 0,501 | 0,861  |
| <b>114</b> | INDS | 2017 | 0,620 | 0,333 | 3 | 0,881 | 0,030  |

|            |      |      |       |       |   |       |        |
|------------|------|------|-------|-------|---|-------|--------|
| <b>115</b> | INTP | 2017 | 0,324 | 0,429 | 3 | 0,510 | 2,502  |
| <b>116</b> | JPFA | 2017 | 0,472 | 0,500 | 3 | 0,630 | 0,749  |
| <b>117</b> | KBLI | 2017 | 0,556 | 0,333 | 3 | 0,551 | 0,375  |
| <b>118</b> | KBLM | 2017 | 0,583 | 0,333 | 3 | 0,753 | 0,171  |
| <b>119</b> | KLBF | 2017 | 0,398 | 0,429 | 3 | 0,967 | 4,327  |
| <b>120</b> | LION | 2017 | 0,574 | 0,250 | 3 | 0,711 | 0,182  |
| <b>121</b> | LMSH | 2017 | 0,602 | 0,333 | 3 | 0,322 | 0,021  |
| <b>122</b> | MBTO | 2017 | 0,454 | 0,333 | 3 | 0,678 | -0,010 |
| <b>123</b> | MLBI | 2017 | 0,537 | 0,500 | 3 | 0,981 | 11,926 |
| <b>124</b> | RICY | 2017 | 0,546 | 0,333 | 3 | 0,517 | 0,000  |
| <b>125</b> | ROTI | 2017 | 0,630 | 0,333 | 3 | 0,859 | 1,288  |
| <b>126</b> | SMSM | 2017 | 0,593 | 0,500 | 3 | 0,816 | 2,567  |
| <b>127</b> | SPMA | 2017 | 0,602 | 0,600 | 3 | 0,932 | 0,312  |
| <b>128</b> | SRSN | 2017 | 0,620 | 0,375 | 3 | 0,373 | 0,177  |
| <b>129</b> | STAR | 2017 | 0,657 | 0,500 | 3 | 0,923 | 0,453  |
| <b>130</b> | TCID | 2017 | 0,630 | 0,500 | 3 | 0,852 | 1,197  |
| <b>131</b> | TIRT | 2017 | 0,491 | 0,500 | 3 | 0,780 | 0,274  |
| <b>132</b> | TOTO | 2017 | 0,602 | 0,400 | 3 | 0,924 | 1,425  |
| <b>133</b> | TRIS | 2017 | 0,667 | 0,333 | 3 | 0,670 | 0,282  |
| <b>134</b> | TRST | 2017 | 0,528 | 0,500 | 3 | 0,578 | 0,365  |
| <b>135</b> | TSPC | 2017 | 0,333 | 0,600 | 3 | 0,789 | 0,727  |
| <b>136</b> | ULTJ | 2017 | 0,565 | 0,333 | 3 | 0,369 | 2,250  |
| <b>137</b> | UNIT | 2017 | 0,593 | 0,500 | 3 | 0,613 | 0,154  |
| <b>138</b> | UNVR | 2017 | 0,370 | 0,800 | 5 | 0,990 | 22,866 |
| <b>139</b> | VOKS | 2017 | 0,556 | 0,500 | 3 | 0,213 | 0,438  |
| <b>140</b> | WIIM | 2017 | 0,611 | 0,333 | 3 | 0,051 | -0,041 |
| <b>141</b> | WTON | 2017 | 0,315 | 0,429 | 3 | 0,809 | 0,612  |
| <b>142</b> | ADES | 2018 | 0,565 | 0,333 | 3 | 0,915 | 0,656  |
| <b>143</b> | AKPI | 2018 | 0,602 | 0,333 | 3 | 0,700 | 0,351  |
| <b>144</b> | AMFG | 2018 | 0,639 | 0,333 | 3 | 0,662 | 0,501  |
| <b>145</b> | ARNA | 2018 | 0,824 | 0,500 | 3 | 0,140 | 1,701  |
| <b>146</b> | ASII | 2018 | 0,796 | 0,300 | 4 | 0,971 | 1,073  |
| <b>147</b> | AUTO | 2018 | 0,694 | 0,375 | 3 | 0,800 | 0,359  |
| <b>148</b> | BATA | 2018 | 0,556 | 0,500 | 3 | 0,962 | 0,514  |
| <b>149</b> | BOLT | 2018 | 0,731 | 0,333 | 3 | 0,576 | 1,693  |
| <b>150</b> | CEKA | 2018 | 0,750 | 0,333 | 3 | 0,920 | 0,172  |
| <b>151</b> | DLTA | 2018 | 0,528 | 0,400 | 3 | 0,966 | 2,139  |
| <b>152</b> | DVLA | 2018 | 0,630 | 0,429 | 3 | 0,937 | 0,863  |
| <b>153</b> | EKAD | 2018 | 0,472 | 0,500 | 3 | 0,822 | 0,310  |

|            |      |      |       |       |   |       |        |
|------------|------|------|-------|-------|---|-------|--------|
| <b>154</b> | GGRM | 2018 | 0,315 | 0,500 | 3 | 0,755 | 1,666  |
| <b>155</b> | HDTX | 2018 | 0,287 | 0,333 | 3 | 0,912 | 1,478  |
| <b>156</b> | HMSP | 2018 | 0,296 | 0,333 | 3 | 0,988 | 8,690  |
| <b>157</b> | ICBP | 2018 | 0,435 | 0,500 | 3 | 0,805 | 3,474  |
| <b>158</b> | INAI | 2018 | 0,417 | 0,333 | 3 | 0,626 | 0,216  |
| <b>159</b> | INCI | 2018 | 0,444 | 0,333 | 3 | 0,021 | -0,019 |
| <b>160</b> | INDF | 2018 | 0,426 | 0,375 | 3 | 0,501 | 0,816  |
| <b>161</b> | INDS | 2018 | 0,620 | 0,333 | 3 | 0,903 | 0,246  |
| <b>162</b> | INTP | 2018 | 0,324 | 0,333 | 3 | 0,510 | 2,165  |
| <b>163</b> | JPFA | 2018 | 0,454 | 0,500 | 3 | 0,641 | 1,112  |
| <b>164</b> | KBLI | 2018 | 0,583 | 0,333 | 3 | 0,850 | 0,077  |
| <b>165</b> | KBLM | 2018 | 0,583 | 0,333 | 3 | 0,756 | 0,117  |
| <b>166</b> | KLBF | 2018 | 0,417 | 0,429 | 3 | 0,943 | 3,497  |
| <b>167</b> | LION | 2018 | 0,574 | 0,333 | 3 | 0,711 | 0,084  |
| <b>168</b> | LMSH | 2018 | 0,602 | 0,500 | 3 | 0,322 | -0,054 |
| <b>169</b> | MBTO | 2018 | 0,454 | 0,333 | 3 | 0,678 | 0,139  |
| <b>170</b> | MLBI | 2018 | 0,537 | 0,500 | 3 | 0,983 | 11,832 |
| <b>171</b> | RICY | 2018 | 0,546 | 0,333 | 3 | 0,517 | -0,007 |
| <b>172</b> | ROTI | 2018 | 0,630 | 0,333 | 3 | 0,731 | 1,599  |
| <b>173</b> | SMSM | 2018 | 0,593 | 0,500 | 3 | 0,837 | 2,449  |
| <b>174</b> | SPMA | 2018 | 0,602 | 0,800 | 3 | 0,930 | 0,285  |
| <b>175</b> | SRSN | 2018 | 0,620 | 0,375 | 3 | 0,423 | 0,204  |
| <b>176</b> | STAR | 2018 | 0,657 | 0,500 | 3 | 0,958 | 0,332  |
| <b>177</b> | TCID | 2018 | 0,630 | 0,400 | 3 | 0,863 | 0,881  |
| <b>178</b> | TIRT | 2018 | 0,491 | 0,333 | 3 | 0,806 | 0,271  |
| <b>179</b> | TOTO | 2018 | 0,611 | 0,400 | 3 | 0,924 | 1,111  |
| <b>180</b> | TRIS | 2018 | 0,657 | 0,333 | 3 | 0,897 | 0,107  |
| <b>181</b> | TRST | 2018 | 0,528 | 0,333 | 3 | 0,578 | 0,391  |
| <b>182</b> | TSPC | 2018 | 0,333 | 0,600 | 3 | 0,852 | 0,453  |
| <b>183</b> | ULTJ | 2018 | 0,565 | 0,333 | 3 | 0,363 | 2,455  |
| <b>184</b> | UNIT | 2018 | 0,593 | 0,500 | 3 | 0,297 | 0,113  |
| <b>185</b> | UNVR | 2018 | 0,370 | 0,833 | 3 | 0,989 | 17,929 |
| <b>186</b> | VOKS | 2018 | 0,556 | 0,500 | 3 | 0,215 | 0,364  |
| <b>187</b> | WIIM | 2018 | 0,611 | 0,333 | 3 | 0,055 | -0,273 |
| <b>188</b> | WTON | 2018 | 0,315 | 0,429 | 3 | 0,822 | 0,355  |

## DAFTAR PERUSAHAAN

| No | Kode | Nama Perusahaan                 |
|----|------|---------------------------------|
| 1  | ADES | Akasha Wira International Tbk.  |
| 2  | AKPI | Argha Karya Prima Industry Tbk. |
| 3  | AMFG | Asahimas Flat Glass Tbk         |
| 4  | ARNA | Arwana Citramulia Tbk           |
| 5  | ASII | Astra International Tbk         |
| 6  | AUTO | Astra Otoparts Tbk.             |
| 7  | BATA | Sepatu Bata Tbk                 |
| 8  | BOLT | Garuda Metalindo Tbk            |
| 9  | CEKA | Wilmar Cahaya Indonesia Tbk     |
| 10 | DLTA | Delta Djakarta Tbk              |
| 11 | DVLA | Darya Varia Laboratoria Tbk     |
| 12 | EKAD | Ekadharma Internasional Tbk     |
| 13 | GGRM | Gudang Garam Tbk                |
| 14 | HDTX | Panasia Indo Resources Tbk      |
| 15 | HMSP | HM Sampoerna Tbk                |
| 16 | ICBP | Indofood CBP Sukses Makmur Tbk  |
| 17 | INAI | Indal Aluminium Industry Tbk    |
| 18 | INCI | Intanwijaya Internasional Tbk   |
| 19 | INDF | Indofood Sukses Makmur Tbk      |
| 20 | INDS | Indospring Tbk                  |
| 21 | INTP | Indocement Tunggul Prakasa Tbk  |
| 22 | JPFA | JAPFA Comfeed Indonesia Tbk     |
| 23 | KBLI | KMI Wire and CableTbk           |
| 24 | KBLM | Kabelindo Murni Tbk             |
| 25 | KLBF | Kalbe Farma Tbk                 |
| 26 | LION | Lion Metal Works Tbk            |
| 27 | LMSH | Lionmesh Prima Tbk              |
| 28 | MBTO | Martina Berto Tbk               |
| 29 | MLBI | Multi Bintang Indonesia Tbk     |
| 30 | RICY | Ricky Putra Globalindo Tbk      |
| 31 | ROTI | Nippon Indosari Corpindo Tbk    |
| 32 | SMSM | Selamat Sempurna Tbk            |
| 33 | SPMA | Suparma Tbk                     |
| 34 | SRSN | Indo Arcidatama Tbk             |
| 35 | STAR | PT Star Petrochem Tbk           |
| 36 | TCID | Mandom Indonesia Tbk            |

|    |      |                              |
|----|------|------------------------------|
| 37 | TIRT | Tirta Mahakam Resources Tbk  |
| 38 | TOTO | Surya Toto Indonesia Tbk     |
| 39 | TRIS | Trisula Internasional Tbk    |
| 40 | TRST | Trias Sentosa Tbk            |
| 41 | TSPC | Tempo Scan Pacific Tbk       |
| 42 | ULTJ | Ultra Jaya Milk Industry Tbk |
| 43 | UNIT | Nusantara Inti Corpora Tbk   |
| 44 | UNVR | Unilever Indonesia Tbk       |
| 45 | VOKS | Voksel Electric Tbk          |
| 46 | WIIM | Wisnilak Inti Makmur Tbk     |
| 47 | WTON | Wijaya Karya Beton Tbk       |



## OUTPUT SPSS

```

REGRESSION
/MISSING LISTWISE
/STATISTICS COEFF OUTS BCOV R ANOVA COLLIN TOL
/CRITERIA=PIN(.05) POUT(.10)
/NOORIGIN
/DEPENDENT Y
/METHOD=ENTER X1 X2 X3 X4
/RESIDUALS DURBIN
/SAVE RESID.
    
```

### Regression

[DataSet0]

**Variables Entered/Removed<sup>a</sup>**

| Model | Variables Entered              | Variables Removed | Method |
|-------|--------------------------------|-------------------|--------|
| 1     | SKI, ERMD, KA, KI <sup>b</sup> |                   | Enter  |

- a. Dependent Variable: NP
- b. All requested variables entered.

**Model Summary<sup>b</sup>**

| Model | R                 | R Square | Adjusted R Square | Std. Error of the Estimate | Durbin-Watson |
|-------|-------------------|----------|-------------------|----------------------------|---------------|
| 1     | ,612 <sup>a</sup> | ,375     | ,361              | ,368938                    | 2,572         |

- a. Predictors: (Constant), SKI, ERMD, KA, KI
- b. Dependent Variable: NP

**ANOVA<sup>a</sup>**

| Model |            | Sum of Squares | df  | Mean Square | F      | Sig.              |
|-------|------------|----------------|-----|-------------|--------|-------------------|
| 1     | Regression | 14,942         | 4   | 3,736       | 27,444 | ,000 <sup>b</sup> |
|       | Residual   | 24,909         | 183 | ,136        |        |                   |
|       | Total      | 39,851         | 187 |             |        |                   |

a. Dependent Variable: NP

b. Predictors: (Constant), SKI, ERMD, KA, KI

**Coefficients<sup>a</sup>**

| Model |            | Unstandardized Coefficients |            | Standardized Coefficients | t      | Sig. |
|-------|------------|-----------------------------|------------|---------------------------|--------|------|
|       |            | B                           | Std. Error | Beta                      |        |      |
| 1     | (Constant) | -1,361                      | ,244       |                           | -5,581 | ,000 |
|       | ERMD       | -,624                       | ,213       | -,175                     | -2,926 | ,004 |
|       | KI         | ,668                        | ,253       | ,161                      | 2,636  | ,009 |
|       | KA         | ,372                        | ,059       | ,378                      | 6,353  | ,000 |
|       | SKI        | ,552                        | ,117       | ,285                      | 4,704  | ,000 |

**Coefficients<sup>a</sup>**

| Model |            | Collinearity Statistics |       |
|-------|------------|-------------------------|-------|
|       |            | Tolerance               | VIF   |
| 1     | (Constant) |                         |       |
|       | ERMD       | ,958                    | 1,044 |
|       | KI         | ,920                    | 1,087 |
|       | KA         | ,965                    | 1,036 |
|       | SKI        | ,933                    | 1,071 |

a. Dependent Variable: NP

**Coefficient Correlations<sup>a</sup>**

| Model |              | SKI  | ERMD  | KA    | KI    |       |
|-------|--------------|------|-------|-------|-------|-------|
| 1     | Correlations | SKI  | 1,000 | ,092  | -,127 | -,174 |
|       |              | ERMD | ,092  | 1,000 | -,010 | ,162  |
|       |              | KA   | -,127 | -,010 | 1,000 | -,110 |
|       |              | KI   | -,174 | ,162  | -,110 | 1,000 |
|       | Covariances  | SKI  | ,014  | ,002  | -,001 | -,005 |
|       |              | ERMD | ,002  | ,045  | ,000  | ,009  |
|       |              | KA   | -,001 | ,000  | ,003  | -,002 |
|       |              | KI   | -,005 | ,009  | -,002 | ,064  |

a. Dependent Variable: NP

**Collinearity Diagnostics<sup>a</sup>**

| Model | Dimension | Eigenvalue | Condition Index | Variance Proportions |      |     |     |
|-------|-----------|------------|-----------------|----------------------|------|-----|-----|
|       |           |            |                 | (Constant)           | ERMD | KI  | KA  |
| 1     | 1         | 4,806      | 1,000           | ,00                  | ,00  | ,00 | ,00 |
|       | 2         | ,093       | 7,198           | ,00                  | ,22  | ,02 | ,00 |
|       | 3         | ,063       | 8,702           | ,00                  | ,12  | ,60 | ,00 |
|       | 4         | ,029       | 12,862          | ,03                  | ,43  | ,31 | ,37 |
|       | 5         | ,009       | 23,453          | ,96                  | ,23  | ,07 | ,62 |

**Collinearity Diagnostics<sup>a</sup>**

| Model | Dimension | Variance Proportions |     |
|-------|-----------|----------------------|-----|
|       |           | SKI                  |     |
| 1     | 1         |                      | ,00 |
|       | 2         |                      | ,55 |
|       | 3         |                      | ,36 |
|       | 4         |                      | ,07 |
|       | 5         |                      | ,01 |

a. Dependent Variable: NP

**Residuals Statistics<sup>a</sup>**

|                      | Minimum   | Maximum | Mean    | Std. Deviation | N   |
|----------------------|-----------|---------|---------|----------------|-----|
| Predicted Value      | -,37524   | 1,35440 | ,14252  | ,282674        | 188 |
| Residual             | -1,977866 | ,964202 | ,000000 | ,364971        | 188 |
| Std. Predicted Value | -1,832    | 4,287   | ,000    | 1,000          | 188 |
| Std. Residual        | -5,361    | 2,613   | ,000    | ,989           | 188 |

a. Dependent Variable: NP

**NPAR TESTS**

/K-S(NORMAL)=RES\_1  
/MISSING ANALYSIS.

## NPar Tests

[DataSet0]

### One-Sample Kolmogorov-Smirnov Test

|                                  |                | Unstandardized Residual |
|----------------------------------|----------------|-------------------------|
| N                                |                | 188                     |
| Normal Parameters <sup>a,b</sup> | Mean           | 0E-7                    |
|                                  | Std. Deviation | ,36497114               |
|                                  | Absolute       | ,095                    |
| Most Extreme Differences         | Positive       | ,095                    |
|                                  | Negative       | -,076                   |
| Kolmogorov-Smirnov Z             |                | 1,297                   |
| Asymp. Sig. (2-tailed)           |                | ,069                    |

a. Test distribution is Normal.

b. Calculated from data.

COMPUTE ARES=ABS(RES\_1).

EXECUTE.

REGRESSION

/MISSING LISTWISE

/STATISTICS COEFF OUTS R ANOVA

/CRITERIA=PIN(.05) POUT(.10)

/NOORIGIN

/DEPENDENT ARES

/METHOD=ENTER X1 X2 X3 X4.

## Regression

[DataSet0]

### Variables Entered/Removed<sup>a</sup>

| Model | Variables Entered  | Variables Removed | Method |
|-------|--------------------|-------------------|--------|
| 1     | SKI, ERMD, KA, KIP | .                 | Enter  |

a. Dependent Variable: ARES

b. All requested variables entered.

**Model Summary**

| Model | R                 | R Square | Adjusted R Square | Std. Error of the Estimate |
|-------|-------------------|----------|-------------------|----------------------------|
| 1     | ,140 <sup>a</sup> | ,020     | -,002             | ,24322                     |

a. Predictors: (Constant), SKI, ERMD, KA, KI

**ANOVA<sup>a</sup>**

| Model |            | Sum of Squares | df  | Mean Square | F    | Sig.              |
|-------|------------|----------------|-----|-------------|------|-------------------|
| 1     | Regression | ,217           | 4   | ,054        | ,918 | ,455 <sup>b</sup> |
|       | Residual   | 10,826         | 183 | ,059        |      |                   |
|       | Total      | 11,043         | 187 |             |      |                   |

a. Dependent Variable: ARES

b. Predictors: (Constant), SKI, ERMD, KA, KI

**Coefficients<sup>a</sup>**

| Model |            | Unstandardized Coefficients |            | Standardized Coefficients | t     | Sig. |
|-------|------------|-----------------------------|------------|---------------------------|-------|------|
|       |            | B                           | Std. Error | Beta                      |       |      |
| 1     | (Constant) | ,098                        | ,161       |                           | ,612  | ,541 |
|       | ERMD       | ,091                        | ,141       | ,049                      | ,649  | ,517 |
|       | KI         | ,304                        | ,167       | ,139                      | 1,820 | ,070 |
|       | KA         | -,003                       | ,039       | -,006                     | -,080 | ,937 |
|       | SKI        | ,012                        | ,077       | ,012                      | ,160  | ,873 |

a. Dependent Variable: ARES

DESCRIPTIVES VARIABLES=X1 X2 X3 X4 Y  
/STATISTICS=MEAN STDDEV MIN MAX.

## Descriptives

[DataSet0]

### Descriptive Statistics

|                    | N   | Minimum | Maximum | Mean   | Std. Deviation |
|--------------------|-----|---------|---------|--------|----------------|
| ERMD               | 188 | ,278    | ,833    | ,53327 | ,129299        |
| KI                 | 188 | ,250    | ,833    | ,41310 | ,111077        |
| KA                 | 188 | 2       | 5       | 3,14   | ,469           |
| SKI                | 188 | ,021    | ,991    | ,70742 | ,237952        |
| NP                 | 188 | -1,537  | 1,576   | ,14252 | ,461637        |
| Valid N (listwise) | 188 |         |         |        |                |