|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **DATA 1** | MAT100 | MAT221 |  | KOM208 |
| **DATA 2** | KOM206 | KOM311 |  | KOM312 |
| **DATA 3** | MAT221 | KOM321 |  | KOM323 |
| **DATA 4** | KOM202 | KOM207 | KOM321 | KOM323 |
| **DATA 5** | MAT100 | MAT221 |  | MAT321 |
| **DATA 6** | MAT103 | MAT217 |  | MAT321 |

1. DATA 1

**AKURASI : 93.33**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 4 1  CUKUP 0 10 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  MAT100 in {A,AB,E}: BAIK (38/3)  MAT100 in {B,BC,C,D}:  :...MAT221 in {A,AB,B}: BAIK (11)  MAT221 in {BC,C,D,E}: CUKUP (87/24)  Rules:  Rule 1: (11, lift 1.8)  MAT100 in {B, BC}  MAT221 in {A, AB, B}  -> class BAIK [0.923]  Rule 2: (38/3, lift 1.7)  MAT100 in {A, AB, E}  -> class BAIK [0.900]  Rule 3: (87/24, lift 1.5)  MAT100 in {B, BC, C, D}  MAT221 in {BC, C, D, E}  -> class CUKUP [0.719]  Default class: BAIK  Evaluation on training data (136 cases):  Decision Tree  ----------------  Size Errors  3 27(19.9%) <<  (a) (b) <-classified as  ---- ----  46 24 (a): class BAIK  3 63 (b): class CUKUP  Attribute usage:  100.00% MAT100  72.06% MAT221 |

1. DATA 2

**AKURASI : 92.85**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 3 1  CUKUP 0 10 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  KOM311 = A: BAIK (57/10)  KOM311 in {AB,B,BC,C}: CUKUP (63/17)  Rules:  Rule 1: (57/10, lift 1.5)  KOM311 = A  -> class BAIK [0.814]  Rule 2: (63/17, lift 1.5)  KOM311 in {AB, B, BC, C}  -> class CUKUP [0.723]  Default class: BAIK  Evaluation on training data (120 cases):  Decision Tree  ----------------  Size Errors  2 27(22.5%) <<  (a) (b) <-classified as  ---- ----  47 17 (a): class BAIK  10 46 (b): class CUKUP  Attribute usage:  100.00% KOM311 |

1. DATA 3

**AKURASI : 80.00**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 6 2  CUKUP 0 2 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  KOM321 in {A,AB,B,BC}: BAIK (52/20)  KOM321 in {C,D}: CUKUP (30/8)  Rules:  Rule 1: (52/20, lift 1.3)  KOM321 in {A, AB, B, BC}  -> class BAIK [0.611]  Rule 2: (30/8, lift 1.4)  KOM321 in {C, D}  -> class CUKUP [0.719]  Default class: CUKUP  Evaluation on training data (82 cases):  Decision Tree  ----------------  Size Errors  2 28(34.1%) <<  (a) (b) <-classified as  ---- ----  32 8 (a): class BAIK  20 22 (b): class CUKUP  Attribute usage:  100.00% KOM321 |

1. DATA 4

**AKURASI: 77.78**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 5 1  CUKUP 1 2 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  KOM202 in {A,B}: BAIK (42/13)  KOM202 in {AB,BC,C,D}: CUKUP (37/9)  Rules:  Rule 1: (42/13, lift 1.4)  KOM202 in {A, B}  -> class BAIK [0.682]  Rule 2: (37/9, lift 1.4)  KOM202 in {AB, BC, C, D}  -> class CUKUP [0.744]  Default class: CUKUP  Evaluation on training data (79 cases):  Decision Tree  ----------------  Size Errors  2 22(27.8%) <<  (a) (b) <-classified as  ---- ----  29 9 (a): class BAIK  13 28 (b): class CUKUP  Attribute usage:  100.00% KOM202 |

1. DATA 5

**AKURASI : 90**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 4 1  CUKUP 0 5 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  MAT221 in {A,AB,B,BC}: BAIK (55/15)  MAT221 in {C,D}: CUKUP (27/2)  Rules:  Rule 1: (55/15, lift 1.4)  MAT221 in {A, AB, B, BC}  -> class BAIK [0.719]  Rule 2: (27/2, lift 1.8)  MAT221 in {C, D}  -> class CUKUP [0.897]  Default class: BAIK  Evaluation on training data (82 cases):  Decision Tree  ----------------  Size Errors  2 17(20.7%) <<  (a) (b) <-classified as  ---- ----  40 2 (a): class BAIK  15 25 (b): class CUKUP  Attribute usage:  100.00% MAT221 |

1. DATA 6

**AKURASI : 88.88**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 4 0  CUKUP 1 4 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  MAT217 in {A,AB,B}: BAIK (53/15)  MAT217 in {BC,C,D}: CUKUP (26/1)  Rules:  Rule 1: (53/15, lift 1.4)  MAT217 in {A, AB, B}  -> class BAIK [0.709]  Rule 2: (26/1, lift 1.8)  MAT217 in {BC, C, D}  -> class CUKUP [0.929]  Default class: CUKUP  Evaluation on training data (79 cases):  Decision Tree  ----------------  Size Errors  2 16(20.3%) <<  (a) (b) <-classified as  ---- ----  38 1 (a): class BAIK  15 25 (b): class CUKUP  Attribute usage:  100.00% MAT217 |

1. DATA 7

**AKURASI : 80**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 6 0  CUKUP 3 6 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  MAT100 = A: BAIK (62/16)  MAT100 in {AB,B,BC,C,D,E}: CUKUP (69/18)  Rules:  Rule 1: (62/16, lift 1.5)  MAT100 = A  -> class BAIK [0.734]  Rule 2: (69/18, lift 1.4)  MAT100 in {AB, B, BC, C, D, E}  -> class CUKUP [0.732]  Default class: CUKUP  Evaluation on training data (131 cases):  Decision Tree  ----------------  Size Errors  2 34(26.0%) <<  (a) (b) <-classified as  ---- ----  46 18 (a): class BAIK  16 51 (b): class CUKUP  Attribute usage:  100.00% MAT100 |

1. DATA 8

**AKURASI :85**

|  |
| --- |
| Confusion Matrix and Statistics  Reference  Prediction BAIK CUKUP  BAIK 13 3  CUKUP 0 4 |

**DESKRIPSI**

|  |
| --- |
| Decision tree:  KOM206 in {C,D}: CUKUP (25)  KOM206 in {A,AB,B,BC}:  :...KOM311 in {B,C}: BAIK (100/37)  KOM311 in {BC,D}: CUKUP (13/3)  KOM311 = A:  :...KOM206 in {A,B}: CUKUP (6)  : KOM206 in {AB,BC}: BAIK (14/3)  KOM311 = AB:  :...KOM206 = A: BAIK (6)  KOM206 in {AB,B,BC}: CUKUP (8)  Rules:  Rule 1: (6, lift 1.8)  KOM206 = A  KOM311 = AB  -> class BAIK [0.875]  Rule 2: (14/3, lift 1.6)  KOM206 in {AB, BC}  KOM311 = A  -> class BAIK [0.750]  Rule 3: (100/37, lift 1.3)  KOM206 in {A, AB, B, BC}  KOM311 in {B, C}  -> class BAIK [0.627]  Rule 4: (25, lift 1.9)  KOM206 in {C, D}  -> class CUKUP [0.963]  Rule 5: (8, lift 1.7)  KOM206 in {AB, B, BC}  KOM311 = AB  -> class CUKUP [0.900]  Rule 6: (6, lift 1.7)  KOM206 in {A, B}  KOM311 = A  -> class CUKUP [0.875]  Rule 7: (16/3, lift 1.5)  KOM311 in {BC, D}  -> class CUKUP [0.778]  Default class: CUKUP  Evaluation on training data (172 cases):  Decision Tree  ----------------  Size Errors  7 43(25.0%) <<  (a) (b) <-classified as  ---- ----  80 3 (a): class BAIK  40 49 (b): class CUKUP  Attribute usage:  100.00% KOM206  85.47% KOM311 |