

BAB 4

HASIL PENELITIAN

4.1 RINGKASAN HASIL PENELITIAN

Pada penelitian ini dengan menerapkan batasan parameter minimal untuk $support = 0,001$, $confidence = 0,8$ dan diurutkan berdasarkan besarnya parameter $confidence$ maka diperoleh sebanyak 62 aturan asosiasi.

Tabel 4.1 Aturan Asosiasi

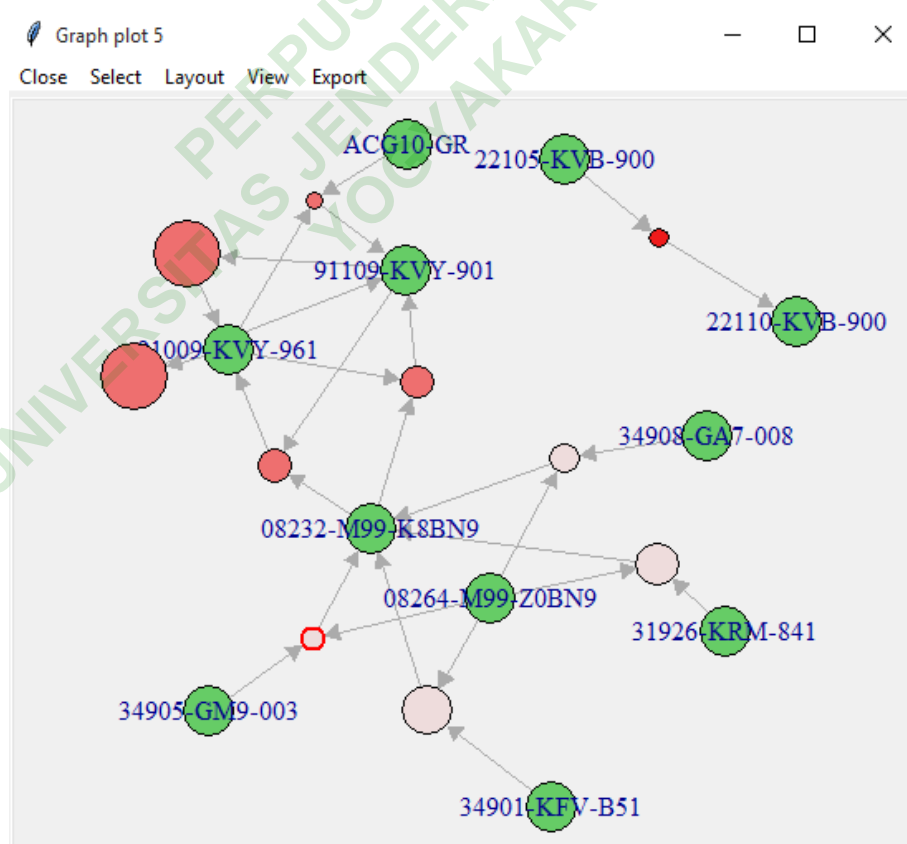
	lhs	=>	rhs
1	{91009-KVY-961}	=>	{91109-KVY-901}
2	{91009-KVY-961, ACG10-GR}	=>	{91109-KVY-901}
3	{08232-M99-K8BN9, 91009-KVY-961}	=>	{91109-KVY-901}
4	{08264-M99-ZOBN9, 34905-GM9-003}	=>	{08232-M99-K8BN9}
5	{22105-KVB-900}	=>	{22110-KVB-900}
6	{08232-M99-K8BN9, 91109-KVY-901}	=>	{91009-KVY-961}
7	{08264-M99-ZOBN9, 34908-GA7-008}	=>	{08232-M99-K8BN9}
8	{08264-M99-ZOBN9, 34901-KFV-B51}	=>	{08232-M99-K8BN9}
9	{08264-M99-ZOBN9, 31926-KRM-841}	=>	{08232-M99-K8BN9}
10	{91109-KVY-901}	=>	{91009-KVY-961}
11	{06455-KVB-T01, 08264-M99-ZOBN9}	=>	{08232-M99-K8BN9}
12	{08264-M99-ZOBN9, 17210-KZR-600}	=>	{08232-M99-K8BN9}
13	{08264-M99-ZOBN9, 08CLA-H50-500A}	=>	{08232-M99-K8BN9}
14	{34906-GB6-921, 43125-KPH-903}	=>	{08232-M99-K8JN9}
15	{08264-M99-ZOBN9, 34901-KPH-881}	=>	{08232-M99-K8BN9}
16	{34906-GB6-921, 43130-KZL-930}	=>	{08232-M99-K8BN9}
17	{91109-KVY-901, ACG10-GR}	=>	{91009-KVY-961}
18	{08264-M99-ZOBN9}	=>	{08232-M99-K8BN9}
19	{06455-KVB-T01, 17210-KVB-930}	=>	{08232-M99-K8BN9}
20	{31926-KRM-841, 34905-GM9-003}	=>	{08232-M99-K8BN9}
21	{31926-KRM-841, 91202-KVB-901}	=>	{08232-M99-K8BN9}
22	{17210-K16-900, 31926-KRM-841}	=>	{08232-M99-K8BN9}
23	{31926-KRM-841, 34908-GA7-008}	=>	{08232-M99-K8BN9}
24	{08264-M99-ZOBN9, 34906-GB6-921}	=>	{08232-M99-K8BN9}
25	{08264-M99-ZOBN9, 43130-KZL-930}	=>	{08232-M99-K8BN9}
26	{34908-GA7-008, 43130-KZL-930}	=>	{08232-M99-K8BN9}
27	{06455-KVB-T01, 31926-KRM-841}	=>	{08232-M99-K8BN9}

28	{06455-KVB-T01, 34905-GM9-003}	=>	{08232-M99-K8BN9}
29	{17210-KZR-600, 34901-KFV-B51}	=>	{08232-M99-K8BN9}
30	{51490-GN5-305}	=>	{SS8175ML}
31	{06455-KWB-601, 98067-86871}	=>	{08232-M99-K8JN9}
32	{34901-KFV-B51, 98059-57927}	=>	{08232-M99-K8BN9}
33	{08CLA-H50-500A, 34901-KFV-B51}	=>	{08232-M99-K8BN9}
34	{06455-KVB-T01, 34906-GB6-921}	=>	{08232-M99-K8BN9}
35	{31926-KRM-841, 34901-KPH-881}	=>	{08232-M99-K8BN9}
36	{31926-KRM-841, 34906-GB6-921}	=>	{08232-M99-K8BN9}
37	{34901-KFV-B51, 34905-GM9-003}	=>	{08232-M99-K8BN9}
38	{08264-M99-ZOBN9, 17210-K16-900}	=>	{08232-M99-K8BN9}
39	{31926-KRM-841, 34901-KFV-B51}	=>	{08232-M99-K8BN9}
40	{08CLA-H50-500A, 98059-57927}	=>	{08232-M99-K8BN9}
41	{06455-KVB-T01, 34908-GA7-008}	=>	{08232-M99-K8BN9}
42	{34905-GM9-003}	=>	{08232-M99-K8BN9}
43	{06455-KVB-T01, 91202-KVB-901}	=>	{08232-M99-K8BN9}
44	{06455-KVB-T01, 34901-KPH-881}	=>	{08232-M99-K8BN9}
45	{34905-GM9-003, 43130-KZL-930}	=>	{08232-M99-K8BN9}
46	{34901-KFV-B51, 34905-GM9-003, 34908-GA7-008}	=>	{08232-M99-K8BN9}
47	{08CLA-H50-500A, 34905-GM9-003}	=>	{08232-M99-K8BN9}
48	{34905-GM9-003, 34908-GA7-008}	=>	{08232-M99-K8BN9}
49	{06455-KVB-T01, 17210-K16-900}	=>	{08232-M99-K8BN9}
50	{31926-KRM-841, 43130-KZL-930}	=>	{08232-M99-K8BN9}
51	{17210-KVB-930, 34901-KFV-B51}	=>	{08232-M99-K8BN9}
52	{08CLA-H50-500A, 17210-KZR-600}	=>	{08232-M99-K8BN9}
53	{06455-KVB-T01, 08CLA-H50-500A}	=>	{08232-M99-K8BN9}
54	{08CLA-H50-500A, 34908-GA7-008}	=>	{08232-M99-K8BN9}
55	{06455-KR3-404, SEAL}	=>	{08232-M99-K8JN9}
56	{17210-KZR-600}	=>	{08232-M99-K8BN9}
57	{17210-KZR-600, 31926-KRM-841}	=>	{08232-M99-K8BN9}
58	{98067-86871, SEAL}	=>	{08232-M99-K8JN9}
59	{06455-KVB-T01, 17210-KZR-600}	=>	{08232-M99-K8BN9}
60	{08264-M99-ZOBN9, 91202-KVB-901}	=>	{08232-M99-K8BN9}
61	{17210-K16-900}	=>	{08232-M99-K8BN9}
62	{06455-KVB-T01, 98059-57927}	=>	{08232-M99-K8BN9}

Selanjutnya dari 62 aturan asosiasi tersebut diambil 10 aturan asosiasi teratas berdasarkan besar nilai *confidence* (Tabel 4.2)

Tabel 4.2 Aturan Asosiasi 10 Teratas

	lhs	=>	rhs	support	confidence
1	{91009-KVY-961}	=>	{91109-KVY-901}	0.003744580	1.0000000
2	{91009-KVY-961, ACG10-GR}	=>	{91109-KVY-901}	0.001478124	1.0000000
3	{08232-M99-K8BN9, 91009-KVY-961}	=>	{91109-KVY-901}	0.002200762	1.0000000
4	{08264-M99-Z0BN9, 34905-GM9-003}	=>	{08232-M99-K8BN9}	0.001740901	0.9814815
5	{22105-KVB-900}	=>	{22110-KVB-900}	0.001576665	0.9795918
6	{08232-M99-K8BN9, 91109-KVY-901}	=>	{91009-KVY-961}	0.002200762	0.9710145
7	{08264-M99-Z0BN9, 34908-GA7-008}	=>	{08232-M99-K8BN9}	0.002069373	0.9692308
8	{08264-M99-Z0BN9, 34901-KFV-B51}	=>	{08232-M99-K8BN9}	0.002956248	0.9677419
9	{08264-M99-Z0BN9, 31926-KRM-841}	=>	{08232-M99-K8BN9}	0.002627776	0.9638554
10	{91109-KVY-901}	=>	{91009-KVY-961}	0.003744580	0.9579832



Gambar 4.1 Visualisasi Aturan Asosiasi 10 Teratas

4.2 ANALISA HASIL ATURAN ASOSIASI

Untuk memudahkan dalam menganalisis aturan asosiasi maka kode suku cadang diubah ke nama suku cadang.

Tabel 4.3 Aturan Asosiasi Dengan Pengubahan Nama Suku Cadang

No	lhs	rhs	confidence
1	{BRG BALL RADIAL 6902U}	=> {BRG NEEDLE 20X29X18}	1.0000000
2	{BRG BALL RADIAL 6902U, AHM CVT GREASE 10GR}	=> {BRG NEEDLE 20X29X18}	1.0000000
3	{AHM OIL MPX2 0.8 ltr , BRG BALL RADIAL 6902U}	=> {BRG NEEDLE 20X29X18}	1.0000000
4	{A/T GEAR OIL 120 mL, BULB WINKER}	=> {AHM OIL MPX2 0.8 ltr }	0.9814815
5	{BOSS DRIVE FACE}	=> {Face Comp Movable Drive}	0.9795918
6	{AHM OIL MPX2 0.8 ltr , BRG NEEDLE 20X29X18}	=> {BRG BALL RADIAL 6902U}	0.9710145
7	{A/T GEAR OIL 120 mL, BULB WEDGE BASE}	=> {AHM OIL MPX2 0.8 ltr }	0.9692308
8	{A/T GEAR OIL 120 mL, BULB H/L 12V 25/25W}	=> {AHM OIL MPX2 0.8 ltr }	0.9677419
9	{A/T GEAR OIL 120 mL , BUSI CPR9EA-9 NGK}	=> {AHM OIL MPX2 0.8 ltr }	0.9638554
10	{BRG NEEDLE 20X29X18}	=> {BRG BALL RADIAL 6902U}	0.9579832

Secara umum 10 aturan asosiasi tersebut memiliki nilai parameter *confidence* lebih besar dari 0,95 atau 95 %. Dari Tabel 4.4 menunjukkan terdapat 3 aturan asosiasi yang memiliki nilai *confidence* = 1 atau 100%.

Tabel 4.4 Tabel Aturan Asosiasi Dengan *Confidence* 100%

No	lhs	rhs	confidence
1	{BRG BALL RADIAL 6902U}	=> {BRG NEEDLE 20X29X18}	1.0000000
2	{BRG BALL RADIAL 6902U, AHM CVT GREASE 10GR}	=> {BRG NEEDLE 20X29X18}	1.0000000
3	{AHM OIL MPX2 0.8 ltr , BRG BALL RADIAL 6902U}	=> {BRG NEEDLE 20X29X18}	1.0000000

Artinya konsumen akan melakukan pembelian Bearing Needle 20x29x218 setelah membeli Bearing Ball 6902U atau kombinasi pembelian Bearing Ball 6902U dengan CVT Grease 10 gr atau Oli MPX2 0,8 lt.

Pada Tabel 4.5 menunjukkan bahwa konsumen melakukan pembelian Oli MPX2 0,8 lt setelah membeli Gear Oil 120 ml yang kombinasi dengan Bulb Winker, Bulb Wedgebase, Bulb H/L 12 v atau Busi CPR9EA

Tabel 4.5 Tabel Aturan Asosiasi Pada Sisi RHS

No	lhs	rhs	confidence
4	{A/T GEAR OIL 120 mL, BULB WINKER}	=> {AHM OIL MPX2 0.8 ltr }	0.9814815
7	{A/T GEAR OIL 120 mL, BULB WEDGE BASE}	=> {AHM OIL MPX2 0.8 ltr }	0.9692308
8	{A/T GEAR OIL 120 mL, BULB H/L 12V 25/25W}	=> {AHM OIL MPX2 0.8 ltr }	0.9677419
9	{A/T GEAR OIL 120 mL , BUSI CPR9EA-9 NGK}	=> {AHM OIL MPX2 0.8 ltr }	0.9638554

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