

C Priedas. Sapiegu rezidencijos konversijos koncepcijų daugiatakslis vertinimas taikant Rough WASPAS metodą.

C.1 lentelė. Kriterijų grupių svoriai

Table C.1 Weights of the groups of criteria.

Kriterijų grupės		G_1	G_2	G_3	G_4	G_5
Ekspertai						
	Ekspertas 1	2	4	1	5	3
	Ekspertas 2	5	4	3	2	1
	Ekspertas 3	1	2	3	5	4
	Ekspertas 4	1	2	4	5	3
	Ekspertas 5	3	1	4	5	2
	Ekspertas 6	1	2	4	5	3
	Ekspertas 7	4	3	1	5	2
	Ekspertas 8	4	2	1	5	3
	Ekspertas 9	2	5	3	4	1
	Ekspertas 10	4	2	1	3	5
Normalizuotas reikšmingumas w_j'		[0.36; 0.96]	[0.40; 0.91]	[0.35; 0.85]	[0.78; 1.28]	[0.39; 0.92]
Apibrėžtas reikšmingumas w_j		0.66	0.66	0.60	1.03	0.65
Rangas		2/3	2/3	5	1	4

C.2 lentelė. Kriterijų reikšmingumas grupėse ir bendrasis reikšmingumas

Table C.2 Weights of criteria in the groups and the overall weights.

Kriterijų grupės	Kriterijai	Normalizuotas reikšmingumas grupėje w_j'	Rangas grupėje	Bendras kriterijaus w_j'' reikšmingumas	Apibrėžtas reikšmingumas w_j
G_1	X_1	[0.70; 1.31]	1/2	[0.46; 0.86]	0.66
	X_2	[0.41; 1.11]	4	[0.27; 0.73]	0.50
	X_3	[0.57; 1.43]	1/2	[0.37; 0.94]	0.66
	X_4	[0.49; 1.23]	3	[0.32; 0.81]	0.57
G_2	X_5	[0.66; 1.46]	2	[0.43; 0.96]	0.70
	X_6	[0.56; 1.23]	3	[0.37; 0.81]	0.59
	X_7	[0.34; 0.90]	4	[0.22; 0.59]	0.41
	X_8	[0.68; 1.48]	1	[0.44; 0.97]	0.71
G_3	X_9	[0.66; 1.51]	1	[0.40; 0.90]	0.65
	X_{10}	[0.42; 1.30]	3	[0.25; 0.78]	0.51
	X_{11}	[0.48; 1.14]	4	[0.29; 0.68]	0.48
	X_{12}	[0.55; 1.45]	2	[0.33; 0.87]	0.60
G_4	X_{13}	[0.66; 1.49]	1	[0.68; 1.53]	1.11
	X_{14}	[0.67; 1.37]	2	[0.69; 1.41]	1.05
	X_{15}	[0.56; 1.30]	3	[0.57; 1.34]	0.96
	X_{16}	[0.27; 0.93]	5	[0.28; 0.96]	0.62
	X_{17}	[0.35; 1.03]	4	[0.36; 1.06]	0.71
G_5	X_{18}	[0.37; 0.91]	4	[0.24; 0.60]	0.42
	X_{19}	[0.68; 1.37]	2	[0.45; 0.90]	0.67
	X_{20}	[0.51; 1.16]	3	[0.34; 0.76]	0.55
	X_{21}	[0.67; 1.47]	1	[0.44; 0.96]	0.70

C.3 lentelė. Alternatyvų įvertinimas pagal kriterijus**Table C.3** Evaluation of alternatives according to criteria.

	A ₁									
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
<i>X</i> ₁	3	7	7	5	5	5	3	5	3	5
<i>X</i> ₂	3	3	5	5	3	5	9	5	5	3
<i>X</i> ₃	1	3	3	5	7	5	3	5	3	3
<i>X</i> ₄	7	7	3	7	5	5	5	9	7	5
<i>X</i> ₅	7	7	5	7	7	3	7	5	9	7
<i>X</i> ₆	9	7	3	9	5	5	7	7	7	9
<i>X</i> ₇	5	3	7	7	5	1	3	1	9	3
<i>X</i> ₈	9	9	1	9	5	5	7	9	9	9
<i>X</i> ₉	5	7	9	5	3	5	5	5	9	9
<i>X</i> ₁₀	7	5	1	7	5	5	5	3	9	9
<i>X</i> ₁₁	3	1	1	7	7	5	7	3	5	5
<i>X</i> ₁₂	3	1	1	7	7	5	7	5	5	7
<i>X</i> ₁₃	7	9	1	9	3	5	9	9	9	9
<i>X</i> ₁₄	9	9	1	7	3	5	9	9	9	9
<i>X</i> ₁₅	9	9	1	9	5	5	9	9	9	9
<i>X</i> ₁₆	9	7	7	5	5	5	5	5	7	7
<i>X</i> ₁₇	7	9	1	7	3	5	9	5	9	7
<i>X</i> ₁₈	3	1	5	7	7	3	1	7	7	5
<i>X</i> ₁₉	7	7	7	9	5	5	9	7	9	5
<i>X</i> ₂₀	7	5	5	7	5	3	7	3	9	5
<i>X</i> ₂₁	7	7	3	9	5	3	7	5	9	9
	A ₂									
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
<i>X</i> ₁	1	1	3	5	5	5	1	7	1	5
<i>X</i> ₂	5	3	3	5	9	9	9	5	5	5
<i>X</i> ₃	3	3	1	5	5	7	1	7	7	5
<i>X</i> ₄	3	9	1	7	7	5	7	3	5	5
<i>X</i> ₅	3	9	7	9	5	3	9	1	9	7
<i>X</i> ₆	5	7	7	7	7	5	7	5	9	5
<i>X</i> ₇	3	5	5	5	7	3	1	5	9	5
<i>X</i> ₈	5	7	1	9	9	9	5	5	9	3
<i>X</i> ₉	5	3	9	7	9	9	5	9	9	3
<i>X</i> ₁₀	1	3	5	5	7	7	5	3	9	3
<i>X</i> ₁₁	3	1	3	5	3	3	5	9	5	5
<i>X</i> ₁₂	5	1	1	5	3	5	5	7	5	3
<i>X</i> ₁₃	5	9	1	7	9	7	9	5	9	5
<i>X</i> ₁₄	3	5	3	5	7	7	7	7	9	5
<i>X</i> ₁₅	5	5	3	5	7	7	7	7	9	7
<i>X</i> ₁₆	5	7	5	5	5	7	5	5	5	5
<i>X</i> ₁₇	3	9	1	7	9	5	7	5	9	5
<i>X</i> ₁₈	3	3	9	5	1	3	3	5	7	5
<i>X</i> ₁₉	7	7	3	7	5	7	7	7	9	7
<i>X</i> ₂₀	7	7	3	7	7	7	5	5	9	9
<i>X</i> ₂₁	7	5	5	9	5	9	5	3	9	5

C.3 lentelės pabaiga

	A ₃									
	E1	E2	E3	E4	E5	E6	E7	E8	E9	E10
X ₁	7	5	9	5	5	5	1	1	7	7
X ₂	1	1	1	5	1	7	7	3	1	7
X ₃	1	1	9	3	9	7	1	3	1	7
X ₄	5	9	9	5	9	5	9	7	7	9
X ₅	7	9	1	5	9	3	9	9	9	7
X ₆	3	3	9	7	9	5	9	3	7	5
X ₇	9	5	9	9	9	1	9	9	9	9
X ₈	3	7	1	3	1	7	9	1	9	5
X ₉	5	3	7	3	3	7	3	1	9	5
X ₁₀	5	5	9	3	9	5	9	1	9	5
X ₁₁	3	1	1	3	9	5	5	1	5	7
X ₁₂	5	1	1	3	9	5	3	1	5	7
X ₁₃	3	9	1	3	1	7	7	1	9	5
X ₁₄	3	5	5	3	3	5	7	3	9	5
X ₁₅	3	5	5	1	5	7	5	3	9	3
X ₁₆	9	7	9	7	7	5	9	5	9	7
X ₁₇	5	9	1	5	1	7	7	5	9	5
X ₁₈	5	3	1	3	9	3	5	1	7	7
X ₁₉	3	7	1	5	5	5	5	3	9	5
X ₂₀	3	7	1	5	3	5	9	3	9	5
X ₂₁	5	5	1	5	7	3	9	7	9	5

C.4 lentelė. Pradinė grubioji matrica.

Table C.4 Initial rough matrix

	X ₁	X ₂	X ₃	X ₄	X ₅	X ₆	X ₇
A ₁	[4.43; 6.25]	[4.13; 6.19]	[3.16; 5.32]	[5.56; 7.77]	[6.08; 8.07]	[6.17; 8.85]	[2.98; 6.90]
A ₂	[2.31; 5.24]	[5.06; 7.90]	[3.23; 6.48]	[4.02; 7.48]	[4.68; 8.92]	[6.33; 7.92]	[3.87; 6.84]
A ₃	[4.02; 7.43]	[2.04; 5.59]	[2.41; 7.05]	[7.07; 9.34]	[5.47; 9.34]	[4.89; 8.44]	[7.38; 9.82]
	X ₈	X ₉	X ₁₀	X ₁₁	X ₁₂	X ₁₃	X ₁₄
A ₁	[6.23; 9.52]	[5.55; 8.28]	[4.05; 7.92]	[3.23; 6.48]	[3.65; 6.86]	[5.78; 9.51]	[5.78; 9.51]
A ₂	[4.84; 8.81]	[5.84; 9.20]	[3.63; 7.09]	[3.36; 6.07]	[3.15; 5.69]	[5.49; 8.99]	[5.13; 7.74]
A ₃	[2.79; 7.50]	[3.42; 6.90]	[4.78; 8.51]	[2.56; 6.46]	[2.56; 6.46]	[2.79; 7.50]	[4.13; 6.69]
	X ₁₅	X ₁₆	X ₁₇	X ₁₈	X ₁₉	X ₂₀	X ₂₁
A ₁	[6.68; 9.62]	[6.08; 7.73]	[4.84; 8.72]	[3.38; 6.76]	[6.73; 8.83]	[4.96; 7.52]	[5.45; 8.70]
A ₂	[5.79; 7.95]	[5.64; 6.36]	[4.65; 8.55]	[3.35; 6.57]	[6.44; 8.15]	[6.10; 8.50]	[5.55; 8.28]
A ₃	[3.58; 6.73]	[7.21; 9.20]	[4.05; 7.87]	[2.98; 6.90]	[3.87; 6.84]	[3.69; 7.52]	[4.41; 7.97]

C.5 lentelė. Normalizuota matrica.**Table C.5** Normalized matrix.

	X_1	X_2	X_3	X_4	X_5	X_6	X_7
A_1	[0.48; 1.20]	[0.48; 1.29]	[0.56; 1.68]	[0.58; 1.15]	[0.63; 1.20]	[0.64; 1.32]	[0.31; 1.02]
A_2	[0.44; 2.27]	[0.29; 1.04]	[0.36; 1.62]	[0.44; 1.16]	[0.51; 1.39]	[0.69; 1.23]	[0.42; 1.06]
A_3	[0.27; 1.39]	[0.37; 2.74]	[0.29; 2.31]	[0.72; 1.27]	[0.56; 1.27]	[0.5; 1.14]	[0.75; 1.33]
	X_8	X_9	X_{10}	X_{11}	X_{12}	X_{13}	X_{14}
A_1	[0.65; 1.41]	[0.58; 1.23]	[0.42; 1.18]	[0.46; 1.65]	[0.43; 1.46]	[0.60; 1.41]	[0.60; 1.41]
A_2	[0.53; 1.37]	[0.64; 1.43]	[0.39; 1.10]	[0.38; 1.56]	[0.41; 1.67]	[0.60; 1.40]	[0.56; 1.20]
A_3	[0.28; 1.02]	[0.35; 0.94]	[0.49; 1.15]	[0.32; 2.18]	[0.32; 2.18]	[0.28; 1.02]	[0.42; 0.91]
	X_{15}	X_{16}	X_{17}	X_{18}	X_{19}	X_{20}	X_{21}
A_1	[0.69; 1.43]	[0.63; 1.15]	[0.50; 1.30]	[0.44; 1.57]	[0.7; 1.31]	[0.51; 1.12]	[0.34; 0.98]
A_2	[0.63; 1.23]	[0.61; 0.99]	[0.51; 1.33]	[0.35; 1.56]	[0.7; 1.27]	[0.66; 1.32]	[0.28; 0.95]
A_3	[0.36; 0.91]	[0.73; 1.25]	[0.41; 1.07]	[0.30; 1.88]	[0.39; 0.93]	[0.38; 1.02]	[0.26; 1.27]

C.6 lentelė. Svertinė normalizuota matrica**Table C.6** Weighted normalized matrix.

	X_1	X_2	X_3	X_4	X_5	X_6	X_7
A_1	[0.31; 0.79]	[0.24; 0.64]	[0.37; 1.10]	[0.33; 0.65]	[0.44; 0.84]	[0.38; 0.78]	[0.13; 0.42]
A_2	[0.29; 1.50]	[0.15; 0.52]	[0.23; 1.07]	[0.25; 0.66]	[0.35; 0.96]	[0.41; 0.72]	[0.17; 0.43]
A_3	[0.18; 0.92]	[0.18; 1.37]	[0.19; 1.52]	[0.41; 0.72]	[0.39; 0.88]	[0.29; 0.67]	[0.31; 0.54]
	X_8	X_9	X_{10}	X_{11}	X_{12}	X_{13}	X_{14}
A_1	[0.46; 1.00]	[0.37; 0.80]	[0.22; 0.61]	[0.22; 0.8]	[0.26; 0.87]	[0.67; 1.57]	[0.63; 1.49]
A_2	[0.37; 0.97]	[0.41; 0.93]	[0.20; 0.57]	[0.18; 0.75]	[0.24; 1.00]	[0.66; 1.55]	[0.59; 1.27]
A_3	[0.20; 0.72]	[0.23; 0.61]	[0.25; 0.59]	[0.15; 1.06]	[0.19; 1.31]	[0.32; 1.13]	[0.44; 0.95]
	X_{15}	X_{16}	X_{17}	X_{18}	X_{19}	X_{20}	X_{21}
A_1	[0.66; 1.37]	[0.39; 0.71]	[0.36; 0.92]	[0.19; 0.66]	[0.47; 0.88]	[0.28; 0.61]	[0.24; 0.68]
A_2	[0.60; 1.18]	[0.38; 0.61]	[0.36; 0.94]	[0.15; 0.66]	[0.47; 0.85]	[0.36; 0.72]	[0.20; 0.66]
A_3	[0.35; 0.87]	[0.45; 0.77]	[0.29; 0.76]	[0.12; 0.79]	[0.26; 0.62]	[0.21; 0.56]	[0.18; 0.89]

C.7 lentelė. Santykinės alternatyvų vertės, priklausomybė nuo koeficiento λ reikšmės.**Table C.7** Relative values of the alternatives depending on the value of the coefficient λ .

$\lambda =$	0	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1
A_1	15.48	15.22	14.96	14.70	14.45	14.19	13.93	13.68	13.42	13.16	12.91
A_2	15.21	14.96	14.72	14.47	14.23	13.99	13.74	13.50	13.26	13.01	12.77
A_3	13.92	13.72	13.52	13.32	13.12	12.92	12.72	12.52	12.32	12.12	11.92