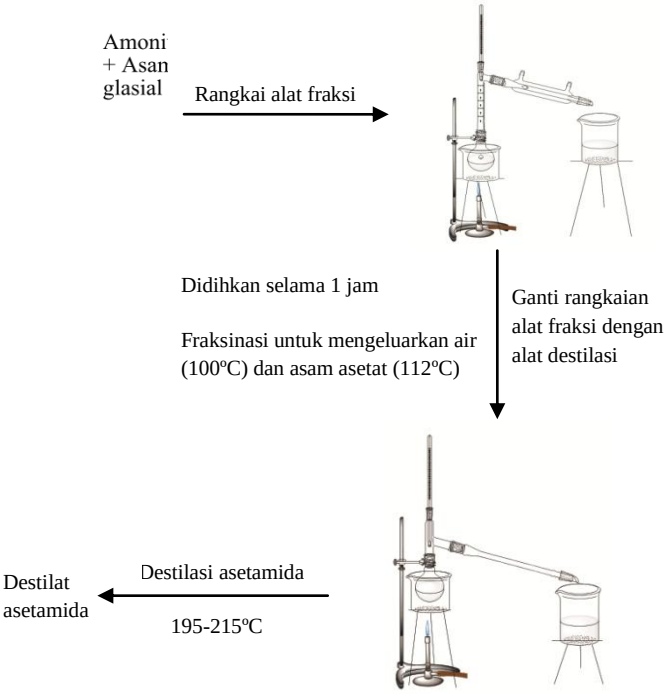
LAMPIRAN

LAMPIRAN A

Skema Pembuatan Asetamida



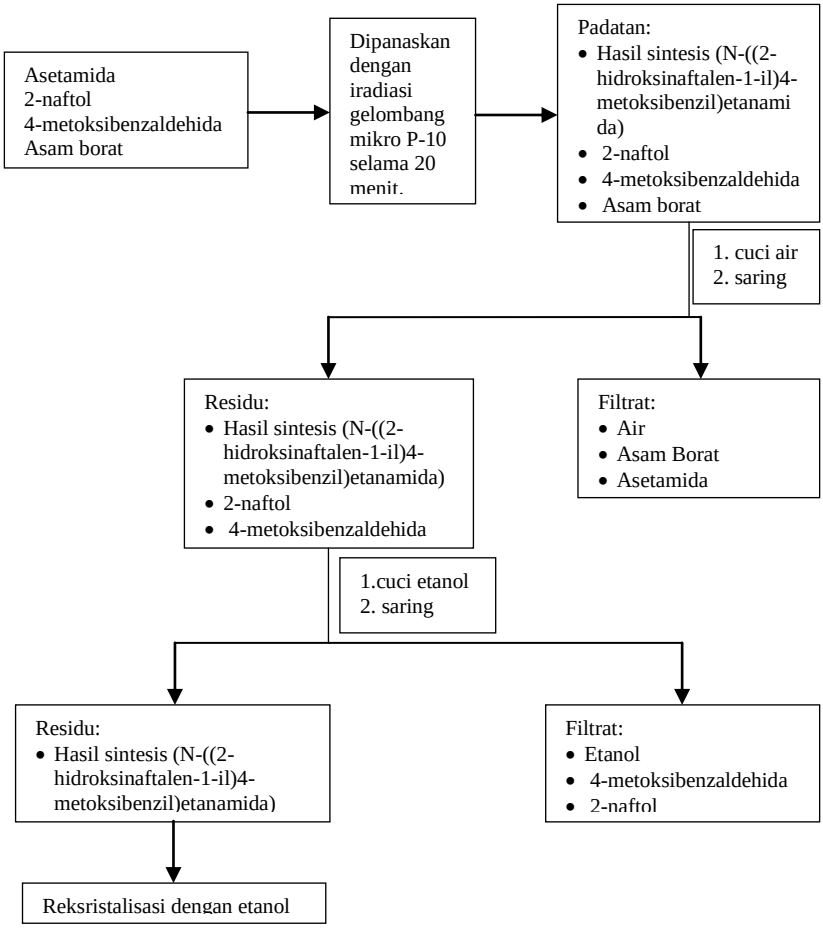
*Keterangan:

Destilat pada suhu 195 ^{o}C tidak digunakan.

Destilat pada suhu 215 ^{o}C dikristalkan dan digunakan untuk penelitian selanjutnya

LAMPIRAN B

Skema Sintesis Senyawa N-((2-hidroksinaftalen-1-il)4-metoksibenzil)etanamida.

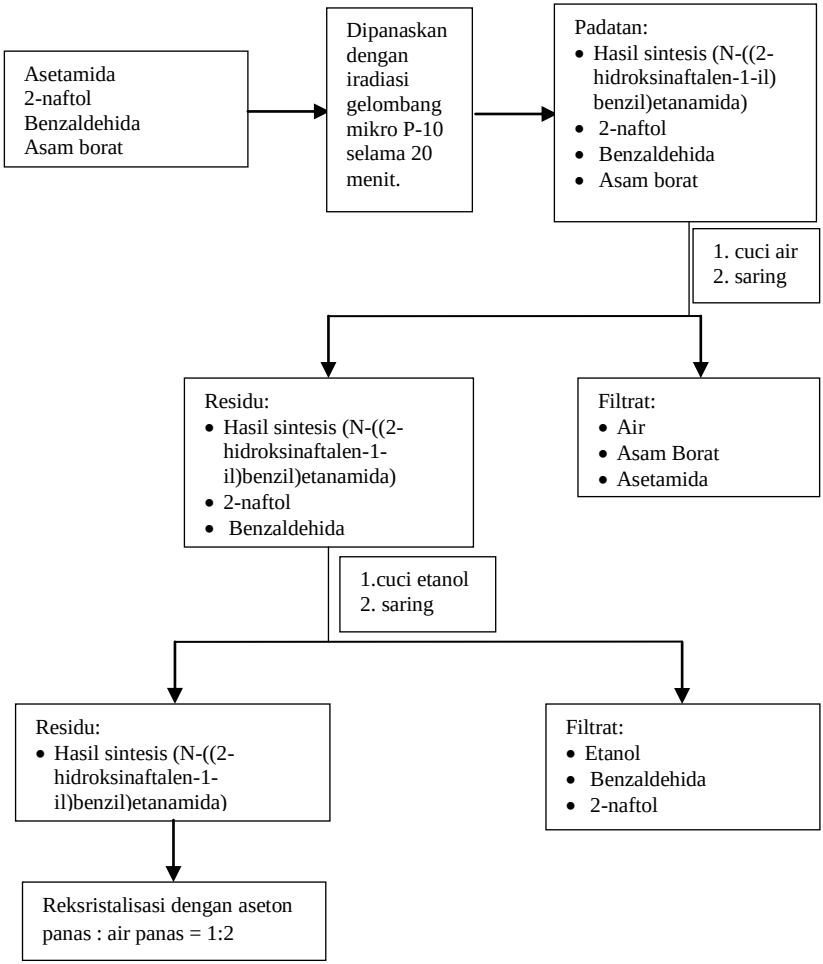


*Keterangan:

Iradiasi gelombang mikro dengan merk Sakura, Jepang memiliki 4 kekuatan P-10, P-30, P-60 dan P-80 dengan daya dari iradiasi gelombang mikro sebesar 1600 watt.

LAMPIRAN C

Skema Sintesis Senyawa N-((2-hidroksinaftalen-1-il)benzil)etanamida.



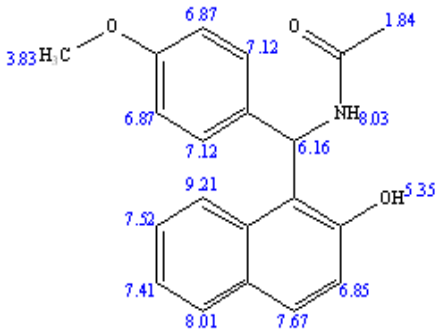
*Keterangan:

Iradiasi gelombang mikro dengan merk Sakura, Jepang memiliki 4 kekuatan P-10, P-30, P-60 dan P-80 dengan daya dari iradiasi gelombang mikro sebesar 1600 watt.

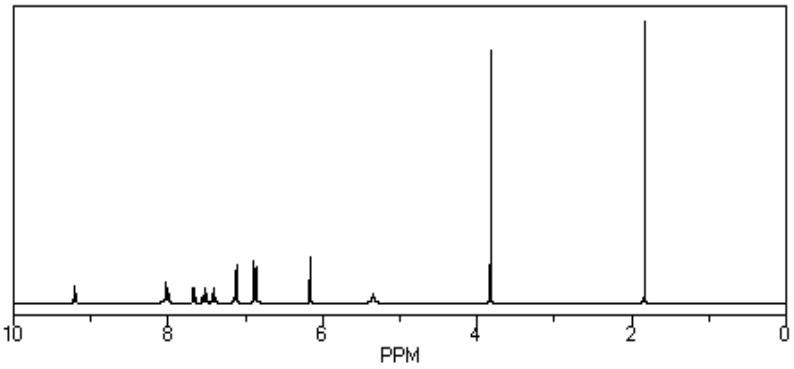
LAMPIRAN D

Prediksi hasil uji Spektroskopi RMI-^{1}H senyawa N-((2-hidroksinaftalen-1-il)4-metoksibenzil) etanamida.

ChemNMR ^{1}H Estimation



Estimation quality is indicated by color: good, medium, rough



Protocol of the H-1 NMR Prediction:

Node	Shift	Base + Inc.	Comment (ppm rel. to TMS)
OH	5,35	5,00	aromatic C-OH
		0,35	general corrections
NH	8,03	8,00	sec. amide

		0,03	general corrections
CH	6,87	7,26	1-benzene
		-0,49	1 -O-C
		-0,12	1 -C
		0,22	general corrections
CH	9,21	7,67	1-naphthalene
		0,10	1 -C
		-0,14	1 -O
		1,58	general corrections
CH	8,01	7,67	1-naphthalene
		-0,03	1 -C
		-0,04	1 -O
		0,41	general corrections
CH	7,12	7,26	1-benzene
		-0,11	1 -O-C
		-0,20	1 -C
		0,17	general corrections
CH	6,85	7,32	1-naphthalene
		-0,13	1 -C
		-0,35	1 -O
		0,01	general corrections
CH	6,87	7,26	1-benzene
		-0,49	1 -O-C
		-0,12	1 -C
		0,22	general corrections
CH	7,67	7,67	1-naphthalene
		-0,16	1 -C
		-0,05	1 -O

	0,21	general corrections
CH 7,12	7,26	1-benzene
	-0,11	1 -O-C
	-0,20	1 -C
	0,17	general corrections
CH 7,52	7,32	1-naphthalene
	-0,01	1 -C
	-0,02	1 -O
	0,23	general corrections
CH 7,41	7,32	1-naphthalene
	-0,03	1 -C
	-0,11	1 -O
	0,23	general corrections
CH3 3,83	0,86	methyl
	2,87	1 alpha -O-1:C*C*C*C*C*C*1
	0,10	general corrections
CH 6,16	1,50	methine
	2,56	2 alpha -1:C*C*C*C*C*C*1
	2,10	1 alpha -N-C=O
CH3 1,84	0,86	methyl
	1,16	1 alpha -C(=O)N
	-0,18	general corrections

1H NMR Coupling Constant Prediction

shift	atom index	coupling partner. constant and vector
5,35	11	
8,03	13	
6,87	16	

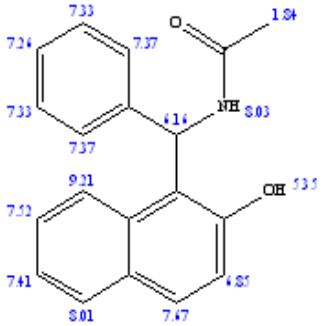
		15	7,5	H-C*C-H
		18	1,5	H-C*C*C-H
9,21	3			
		2	7,5	H-C*C-H
		1	1,5	H-C*CH*C-H
8,01	6			
		1	7,5	H-C*C-H
		10	1,5	H-C*C*C-H
		2	1,5	H-C*CH*C-H
7,12	15			
		16	7,5	H-C*C-H
		19	1,5	H-C*C*C-H
6,85	9			
		10	7,5	H-C*C-H
6,87	18			
		19	7,5	H-C*C-H
		16	1,5	H-C*C*C-H
7,67	10			
		9	7,5	H-C*C-H
		6	1,5	H-C*C*C-H
7,12	19			
		18	7,5	H-C*C-H
		15	1,5	H-C*C*C-H
7,52	2			
		3	7,5	H-C*C-H
		1	7,5	H-C*C-H
		6	1,5	H-C*CH*C-H
7,41	1			

		6	7,5	H-C*C-H
		2	7,5	H-C*C-H
		3	1,5	H-C*CH*C-H
3,83	24			
6,16	12			
1,84	22			

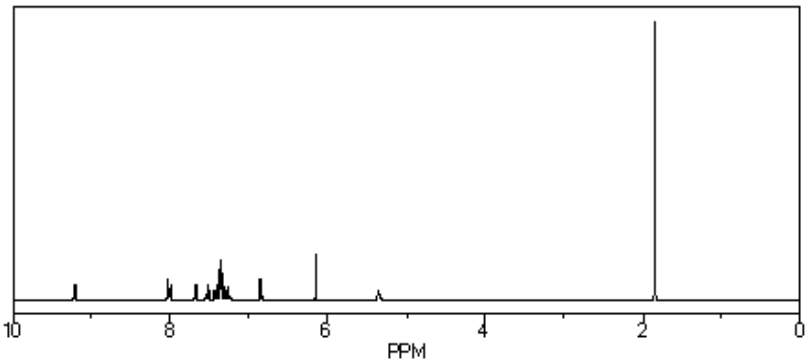
LAMPIRAN E

Prediksi hasil uji Spektroskopi RMI-^{1}H senyawa N-((2-hidroksinaftalen-1-il)benzil)etanamida.

ChemNMR ^{1}H Estimation



Estimation quality is indicated by color: good, medium, rough



Protocol of the H-1 NMR Prediction:

Node	Shift	Base + Inc.	Comment (ppm rel. to TMS)
OH	5,35	5,00	aromatic C-OH
		0,35	general corrections
NH	8,03	8,00	sec. amide

		0,03	general corrections
CH	6,85	7,32	1-naphthalene
		-0,13	1 -C
		-0,35	1 -O
		0,01	general corrections
CH	7,67	7,67	1-naphthalene
		-0,16	1 -C
		-0,05	1 -O
		0,21	general corrections
CH	7,37	7,26	1-benzene
		-0,20	1 -C
		0,31	general corrections
CH	9,21	7,67	1-naphthalene
		0,10	1 -C
		-0,14	1 -O
		1,58	general corrections
CH	8,01	7,67	1-naphthalene
		-0,03	1 -C
		-0,04	1 -O
		0,41	general corrections
CH	7,37	7,26	1-benzene
		-0,20	1 -C
		0,31	general corrections
CH	7,52	7,32	1-naphthalene
		-0,01	1 -C
		-0,02	1 -O
		0,23	general corrections
CH	7,41	7,32	1-naphthalene

	-0,03	1 -C	
	-0,11	1 -O	
	0,23	general corrections	
CH 7,33	7,26	1-benzene	
	-0,12	1 -C	
	0,19	general corrections	
CH 7,33	7,26	1-benzene	
	-0,12	1 -C	
	0,19	general corrections	
CH 7,26	7,26	1-benzene	
	-0,19	1 -C	
	0,19	general corrections	
CH 6,16	1,50	methine	
	2,56	2 alpha -1:C*C*C*C*C*C*1	
	2,10	1 alpha -N-C=O	
CH3 1,84	0,86	methyl	
	1,16	1 alpha -C(=O)N	
	-0,18	general corrections	

1H NMR Coupling Constant Prediction

shift	atom index	coupling partner.	constant and vector
5,35	19		
8,03	8		
6,85	13		
	12	7,5	H-C*C-H
7,67	12		
	13	7,5	H-C*C-H
	18	1,5	H-C*C*C-H

7,37	3			
		2	7,5	H-C*C-H
		5	1,5	H-C*C*C-H
		1	1,5	H-C*CH*C-H
9,21	15			
		16	7,5	H-C*C-H
		17	1,5	H-C*CH*C-H
8,01	18			
		17	7,5	H-C*C-H
		12	1,5	H-C*C*C-H
		16	1,5	H-C*CH*C-H
7,37	5			
		6	7,5	H-C*C-H
		3	1,5	H-C*C*C-H
		1	1,5	H-C*CH*C-H
7,52	16			
		15	7,5	H-C*C-H
		17	7,5	H-C*C-H
		18	1,5	H-C*CH*C-H
7,41	17			
		18	7,5	H-C*C-H
		16	7,5	H-C*C-H
		15	1,5	H-C*CH*C-H
7,33	6			
		5	7,5	H-C*C-H
		1	7,5	H-C*C-H
		2	1,5	H-C*CH*C-H
7,33	2			

		3	7,5	H-C*C-H
		1	7,5	H-C*C-H
		6	1,5	H-C*CH*C-H
7,26	1			
		6	7,5	H-C*C-H
		2	7,5	H-C*C-H
		5	1,5	H-C*CH*C-H
		3	1,5	H-C*CH*C-H
6,16	7			
1,84	21			