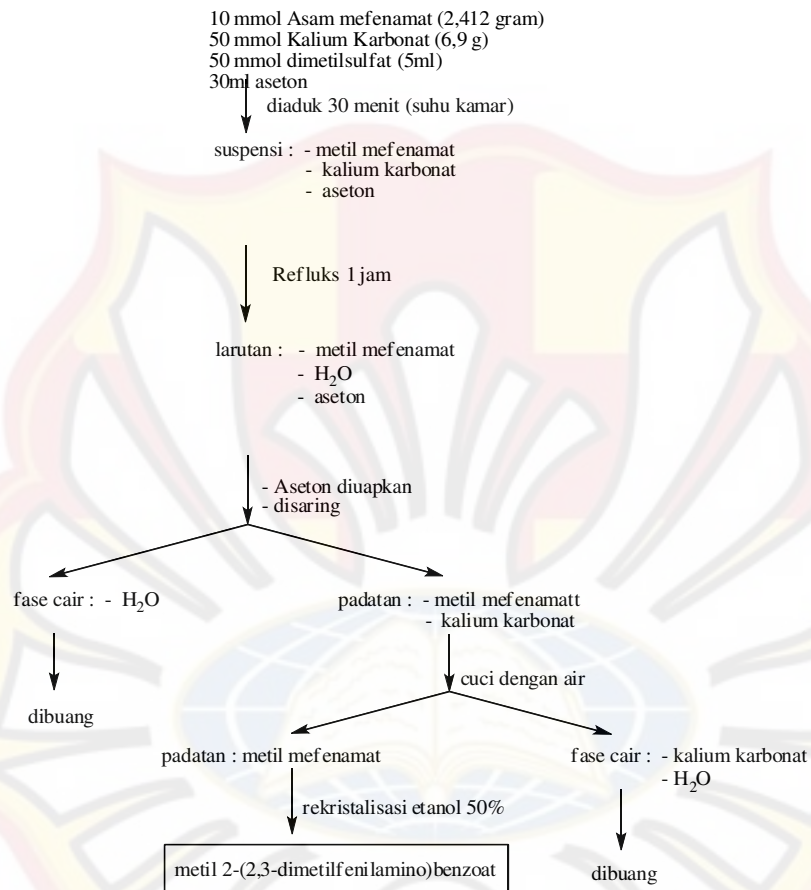


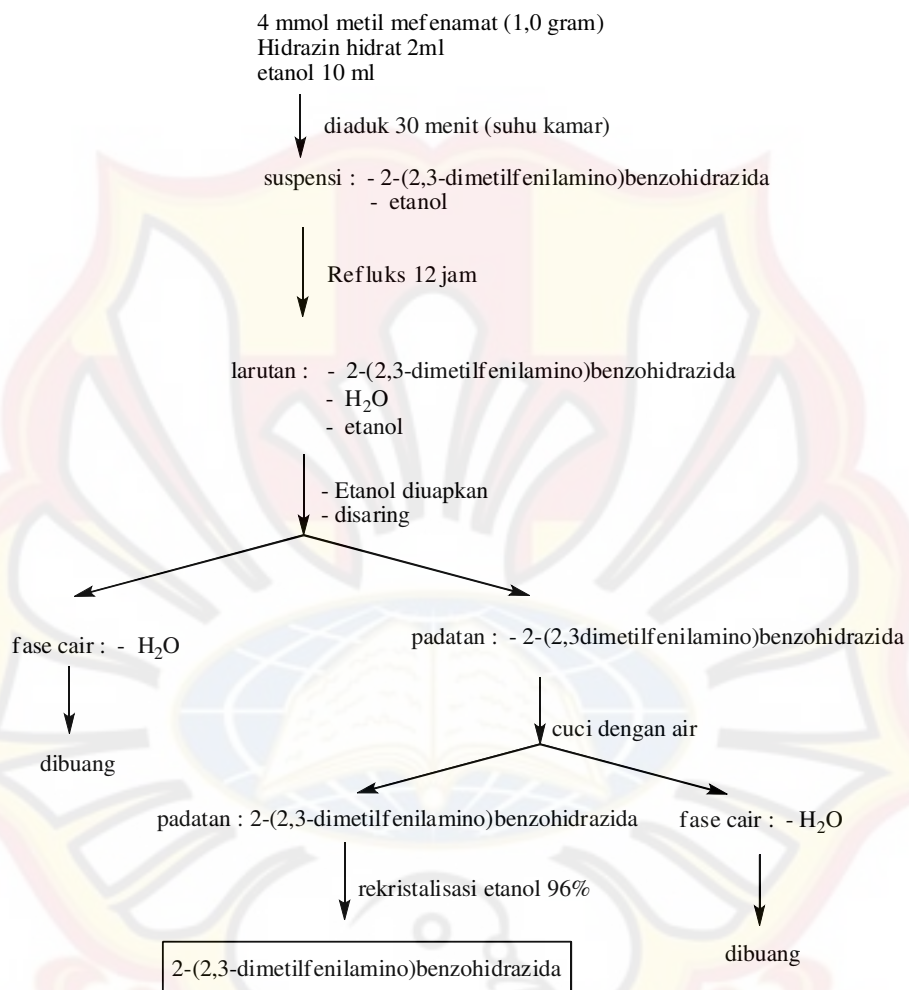
LAMPIRAN A

BAGAN ALIR SINTESIS METIL 2-(2,3-DIMETILFENILAMINO) BENZOAT



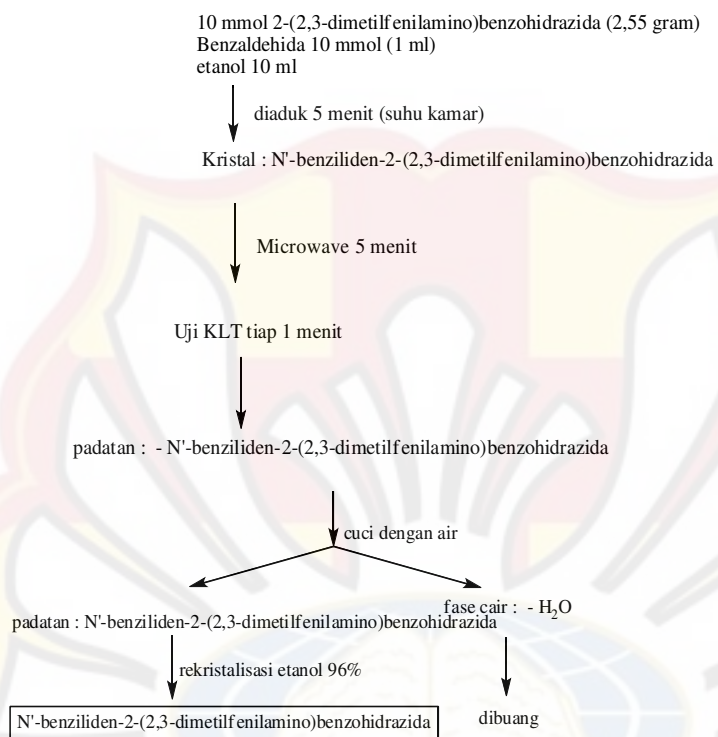
LAMPIRAN B

BAGAN ALIR SINTESIS 2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA



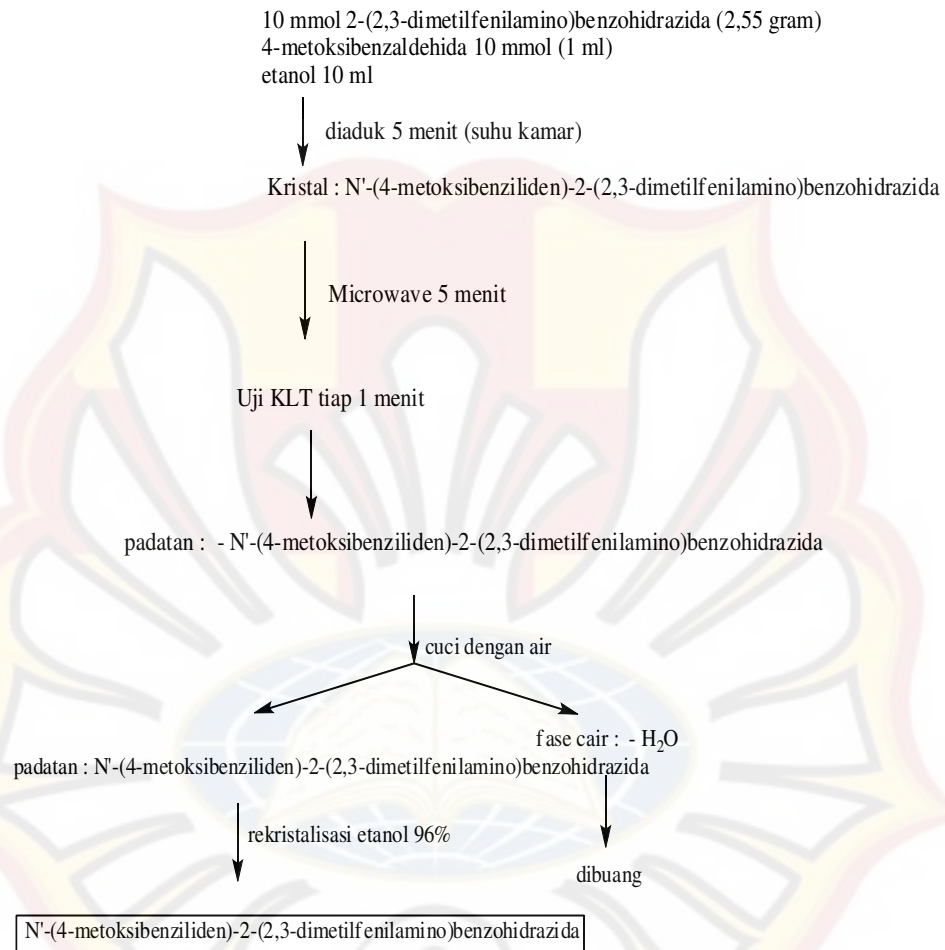
LAMPIRAN C

BAGAN ALIR SINTESIS N'-BENZILIDEN-2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA



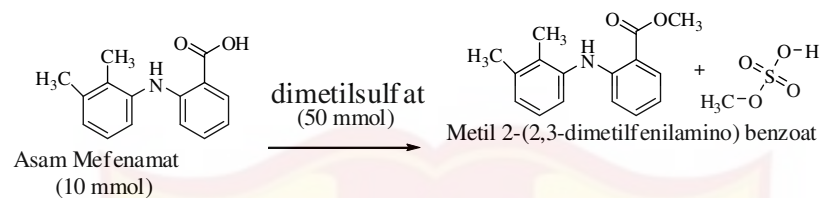
LAMPIRAN D

BAGAN ALIR SINTESIS N'-(4-METOKSIBENZILIDEN)-2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA



LAMPIRAN E

PERHITUNGAN HASIL SINTESIS METIL 2-(2,3-DIMETILFENILAMINO) BENZOAT SECARA TEORITIS



Berat Molekul Asam Mefenamat = 241,2 g/mol

$n = g/BM$

$0,01 \text{ mol} = g/241,2 \text{ g/mol}$

$G = 2,412 \text{ g}$

Berat Molekul Dimetilsulfat = 126 g/mol

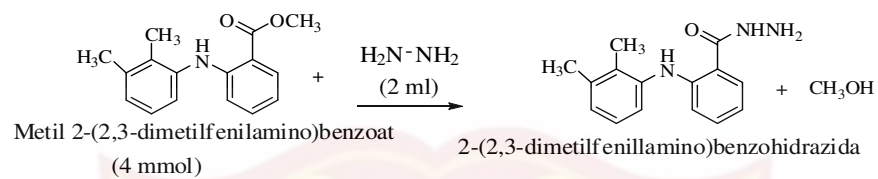
$BJ = 1,325 \text{ g/ml} \rightarrow \text{Vol} = G/BJ$

$0,05 \text{ mol} = G/Mr \rightarrow \text{Vol} = G/1,325$

$G = 6,3 \text{ g} \quad \quad \quad = 44,75 \text{ ml} \quad 5,0 \text{ ml}$

LAMPIRAN F

PERHITUNGAN HASIL SINTESIS 2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA SECARA TEORITIS



Berat Molekul 2-(2,3-dimetilfenilamino)benzohidrazida = 255 g/mol

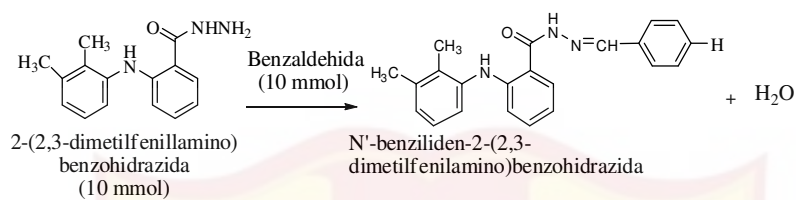
n = g/BM

0,004 mol = g/255 g/mol

G = 1,02 g

LAMPIRAN G

PERHITUNGAN HASIL SINTESIS N'-BENZILIDEN-2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA SECARA TEORITIS



Berat Molekul 2-(2,3-dimetilfenilamino)benzohidrazida = 255 g/mol

$n = g/BM$

0,01 mol = $g/255$ g/mol

$G = 2,55$ g

Berat Molekul Benzaldehida = 106,12 g/mol

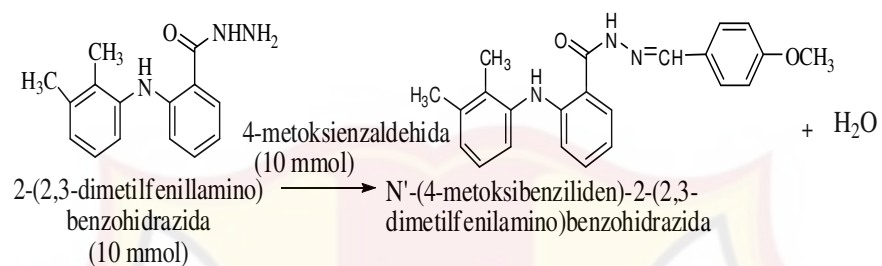
$n = g/mol$

0,01 mol = $g/106,12$ g/mol

$G = 1,06$ g 1,06 ml

LAMPIRAN H

PERHITUNGAN HASIL SINTESIS N'-(4-METOKSIBENZILIDEN)- 2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA SECARA TEORITIS



Berat Molekul 2-(2,3-dimetilfenilamino)benzohidrazida = 255 g/mol

$n = g/BM$

$0,01 \text{ mol} = g/255 \text{ g/mol}$

$G = 2,55 \text{ g}$

Berat Molekul 4-metoksibenzaldehida = 136,15 g/mol

$n = g/mol$

$0,01 \text{ mol} = g/136,15 \text{ g/mol}$

$G = 1,36 \text{ g} \quad 1,36 \text{ ml}$

LAMPIRAN I

CONTOH PERHITUNGAN RENDEMEN HASIL METIL 2-(2,3-DIMETILFENILAMINO) BENZOAT

$$\text{Rendemen hasil} = \frac{\text{berat praktis}}{\text{berat teoritis}} \times 100 \%$$

a. Metil 2-(2,3-dimetilfenilamino) benzoat

Sintesis I : Berat praktis = 2,26 gram

Berat teoritis = 2,55 gram

Persentase hasil

$$= \frac{2,26}{2,55} \times 100 \% = 88,63 \%$$

Sintesis II : Persentase hasil = 85,49 % (2,18 gram)

Sintesis III : Persentase hasil = 86,66 % (2,21 gram)

Persentase hasil rata-rata

$$\frac{88,63 \% + 85,49 \% + 86,66 \%}{3} = 86,93 \%$$

LAMPIRAN J

CONTOH PERHITUNGAN RENDEMEN HASIL 2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA

$$\text{Rendemen hasil} = \frac{\text{berat praktis}}{\text{berat teoritis}} \times 100 \%$$

b. 2-(2,3-dimetilfenilamino)benzohidrazida

$$\begin{array}{lclcl} \text{Sintesis I} & : & \text{Berat praktis} & = & 0,78 \text{ gram} \\ & & \text{Berat teoritis} & = & 1,02 \text{ gram} \\ & & \text{Persentase hasil} & & \end{array}$$

$$= \frac{0,78}{1,02} \times 100 \% = 76 \%$$

$$\text{Sintesis II} : \text{Persentase hasil} = 73 \% \text{ (0,75 gram)}$$

$$\text{Sintesis III} : \text{Persentase hasil} = 68 \% \text{ (0,70 gram)}$$

Persentase hasil rata-rata

$$\begin{array}{lcl} : & 76 \% + 73 \% + 68 \% \\ & \hline & 3 \end{array} = 72 \%$$

LAMPIRAN K

CONTOH PERHITUNGAN RENDEMEN HASIL N'-BENZILIDEN-2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA

$$\text{Rendemen hasil} = \frac{\text{berat praktis}}{\text{berat teoritis}} \times 100 \%$$

c. N'-benziliden-2-(2,3-dimetilfenilamino)benzohidrazida

$$\begin{array}{lcl} \text{Sintesis I} & : & \begin{array}{l} \text{Berat praktis} = 2,52 \text{ gram} \\ \text{Berat teoritis} = 3,32 \text{ gram} \\ \text{Persentase hasil} \end{array} \end{array}$$

$$= \frac{2,52}{3,32} \times 100 \% = 76 \%$$

$$\text{Sintesis II} : \text{Persentase hasil} = 75 \% \text{ (2,48 gram)}$$

$$\text{Sintesis III} : \text{Persentase hasil} = 70 \% \text{ (2,35 gram)}$$

Persentase hasil rata-rata

$$\begin{array}{lcl} : & 76 \% + 75 \% + 70 \% & \\ & \hline & 3 & = 74 \% \end{array}$$

LAMPIRAN L

CONTOH PERHITUNGAN RENDEMEN HASIL N'-(4-METOKSIBENZILIDEN)-2-(2,3-DIMETILFENILAMINO)BENZOHIDRAZIDA

$$\text{Rendemen hasil} = \frac{\text{berat praktis}}{\text{berat teoritis}} \times 100 \%$$

d. N'-(4-metoksibenziliden)-2-(2,3-dimetilfenilamino)benzohidrazida

Sintesis I	:	Berat praktis	=	2,57 gram
		Berat teoritis	=	3,73 gram
		Persentase hasil		

$$= \frac{2,57}{3,73} \times 100 \% = 69 \%$$

Sintesis II	:	Persentase hasil	=	71 % (2,63 gram)
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Sintesis III	:	Persentase hasil	=	65 % (2,42 gram)
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Persentase hasil rata-rata

$$\begin{array}{rcl} : & 69 \% + 71 \% + 65 \% & \\ \hline & 3 & = 68 \% \end{array}$$