

LAMPIRAN 1. Program Pengolahan Data Posisi GPS dengan Masking \$GPRMC

		Mesin Cycle	Waktu (μ s)	Total Waktu (μ s)	
kirim:	mov	sbuf,A	2	2,1700	7,5950
	jnb	ti,\$	2	2,1700	
	clr	ti	1	1,0850	
	ret		2	2,1700	
terima:	clr	ri	1	1,0850	7,5950
	mov	A,sbuf	2	2,1700	
	jnb	ri,\$	2	2,1700	
	ret		2	2,1700	
simpan:	mov	@r0,A	1	1,0850	3,2550
	ret		2	2,1700	
ambil:	mov	A,@r0	1	1,0850	3,2550
	ret		2	2,1700	
header:	mov	A,#'A'	1	1,0850	36,8900
	acall	kirim		7,5950	
	mov	A,#'T'	1	1,0850	
	acall	kirim		7,5950	
	mov	A,#'D'	1	1,0850	
	acall	kirim		7,5950	
	mov	A,#'T'	1	1,0850	
	acall	kirim		7,5950	
	ret		2	2,1700	
baudK:	mov	TMOD,#20h	1	1,0850	
	mov	TH1,#0F4h	1	1,0850	
	mov	SCON,#50h	1	1,0850	
	mov	PCON,#00h	1	1,0850	
	setb	TR1	1	1,0850	
	setb	ren	1	1,0850	
	ret		2	2,1700	
baudT:	mov	TMOD,#20h	1	1,0850	9,7650
	mov	TH1,#0FAh	1	1,0850	
	mov	SCON,#50h	1	1,0850	
	mov	PCON,#00h	1	1,0850	
	setb	TR1	1	1,0850	
	setb	ren	1	1,0850	
	ret		2	2,1700	
mulai:	mov	sp,#20h	1	1,0850	
yyy:	mov	r0,#35h	1	1,0850	
	acall	baudT		9,7650	
xxx:	acall	terima		7,5950	1 2 3
	cjne	A,#'C',xxx	2	2,1700	
	ajmp	aaa	2	2,1700	

		Mesin Cycle	Waktu (μ s)	Total Waktu (μ s)
aaa:	acall	terima	7,5950	1
	cjne	A,#10,bbb	2 2,1700	2
	mov	r0,A	1 1,0850	3
	ajmp	ccc	2 2,1700	4
bbb:	acall	simpan	3,2550	5
	inc	r0	1 1,0850	6
	ajmp	aaa	2 2,1700	7
ccc:	mov	r0,#35h	1 1,0850	26,0400
	acall	baudK	9,7650	
	acall	header	15,1900	
zzz:	acall	ambil	3,2550	1
	cjne	A,#'A',mmm	2 2,1700	2
	acall	kirim	7,5950	3
	inc	r0	1 1,0850	4
	ajmp	ttt	2 2,1700	5
mmm:	inc	r0	1 1,0850	6
	ajmp	zzz	2 2,1700	7
ttt:	acall	ambil	3,2550	1
	cjne	A,#'S',ddd	2 2,1700	
	acall	kirim	7,5950	
	ajmp	sss	2 2,1700	3
ddd:	acall	kirim	7,5950	4
	inc	r0	1 1,0850	5
	ajmp	ttt	2 2,1700	6
sss:	mov	A,#13	1 1,0850	7
	acall	kirim	7,5950	19,5300
	mov	A,#10	1 1,0850	
	acall	kirim	7,5950	
	ajmp	uuu	2 2,1700	21,7000
uuu:	acall	ambil	3,2550	
	cjne	A,#'S',uuu	2 2,1700	
	inc	r0	1 1,0850	15,1900
	acall	header	15,1900	
www:	acall	ambil	3,2550	
	cjne	A,#'E',eee	2 2,1700	1
	acall	kirim	7,5950	2
	inc	r0	1 1,0850	3
	ajmp	fff	2 2,1700	4
eee:	acall	kirim	7,5950	5
	inc	r0	1 1,0850	6
	ajmp	www	2 2,1700	7
				8

			Mesin Cycle	Waktu (μs)	Total Waktu (μs)
fff:	acall	ambil		3,2550	1
	cjne	A,#13,ggg	2	2,1700	2
	acall	kirim		7,5950	3
	ajmp	nnn	2	2,1700	4
ggg:	inc	r0	1	1,0850	5
	ajmp	fff	2	2,1700	6
nnn:	mov	A,#13	1	1,0850	
	acall	kirim		7,5950	
	mov	A,#10	1	1,0850	
	acall	kirim		7,5950	
	ajmp	yyy	2	2,1700	
	end				
					19,5300

