

## Senarai Ubat Galenikal dan Ekstemporaneous (GAEX) Dalam PHIS

Bil.	Nama Ubat	Catatan
1	Acetazolamide 25mg/ml Oral Suspension	
2	Acetic Acid 0.5% in Aqueous	
3	Acetic Acid 1% in Aqueous	
4	Acetic Acid 2% in Aqueous	
5	Acetic Acid 5% in Aqueous	
6	Alcohol 20% V/V	Newly added 22/1/24
7	Alcohol 50% V/V	
8	Alcohol 70% Solution	
9	Alcohol 80% Handrub (+Hydrogen Peroxide + Glycerol)	
10	Alcohol 80% V/V	
11	Alcohol 90% V/V	
12	Alkaline Nasal Douche	
13	Allopurinol 20mg/ml Oral Suspension	
14	Alprostadil 20 mcg/ml Injection	
15	Amikacin 5% w/v Ophthalmic Solution, Preservative Free	Newly added 28/8/23
16	Aminophylline 3mg/ml Oral Suspension	
17	Amiodarone 40mg/ml Oral Suspension	
18	Amiodarone 5mg/ml Oral Suspension	
19	Amlodipine 1mg/ml Suspension	
20	Ammonia and Ipecacuanha Mixture BP	
21	Amphotericin 0.1% Eye Drops	
22	Amphotericin 0.125% Eye Drops	
23	Amphotericin 0.15% Eye Drops	
24	Amphotericin 0.2% Eye Drops (2mg/ml)	
25	Amphotericin 0.25% Eye Drops	
26	Aqueous Cream	
27	Ascorbic Acid 10% Eye Drops (Powder)	
28	Atenolol 2mg/ml Oral Suspension	
29	Atropine 0.01% Eye drop	
30	Azathioprine 50mg/ml Oral Suspension	
31	Baclofen 10mg/mL Suspension	
32	Baclofen 5mg/mL Suspension	
33	Benzyl Benzoate 12.5% Emulsion (Child)	
34	Benzylpenicillin 10,000 Units/mL Eye Drops	
35	Benzylpenicillin 2500 units/mL (1.5mg/mL) Eye Drops	
36	Benzylpenicillin 5000 units/mL Eye Drops	
37	Betamethasone Valerate 1 in 10 Cream (0.01%)	
38	Betamethasone Valerate 1 in 10 Ointment	
39	Betamethasone Valerate 1 in 2 Cream (0.05%)	
40	Betamethasone Valerate 1 in 2 Ointment	
41	Betamethasone Valerate 1 in 4 Cream (0.025%)	
42	Betamethasone Valerate 1 in 4 Ointment	
43	Betamethasone Valerate 1 in 5 Cream	
44	Betamethasone Valerate 1 in 5 Ointment	
45	Betamethasone Valerate 1 in 6 Cream	
46	Betamethasone Valerate 1 in 6 Ointment	
47	Betamethasone Valerate 1 in 8 Cream (0.0125%)	
48	Betamethasone Valerate 1 in 8 Ointment	
49	Bismuth, Iodoform, Liquid Paraffin (BIPP) Paste, Gauze 0.5 inch	

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Bil.	Nama Ubat	Catatan
50	Bupivacaine 0.5 mg/ml + Fentanyl Citrate 2 mcg/ml	
51	Bupivacaine 1 mg/ml + Fentanyl 2 mcg/ml Epidural	
52	Bupivacaine 1 mg/ml + Fentanyl 1 mcg/ml Epidural	
53	Bupivacaine 1 mg/ml + Fentanyl 2 mcg/ml Epidural (50ml)	
54	Caffeine Citrate 10mg/ml Oral Solution	
55	Caffeine Citrate 20mg/ml Oral Solution	
56	Calamine with 0.25% Menthol Lotion	
57	Calamine with 0.5% Menthol Lotion	
58	Captopril 1.25mg/ml Oral Suspension	
59	Captopril 1mg/mL Oral Liquid	
60	Carbamide (Urea) 10 % Ointment	Newly added 1/2/24
61	Carbidopa/Levodopa 6.25mg/ml Suspension	
62	Carvedilol 0.5mg/mL Suspension	
63	Carvedilol 1.67mg/ml Oral Suspension	
64	Carvedilol 1mg/mL Suspension	
65	Cefazolin 5% Eye Drop	
66	Ceftazidime 5% Eye Drops	
67	Cefuroxime 5% Eye Drops	
68	Cefuroxime 5mg/0.5ml Intracameral	
69	Cetomacrogol Emulsifying Ointment BP	
70	Cetomacrogol/Simple Cream	
71	Cetrimide 1% Lotion	
72	Cetrimide 2% Lotion	
73	Cetrimide 20% Concentrated Solution	
74	Chloral Hydrate 200 mg/5 ml Mixture (40mg/ml)	
75	Chloral Hydrate Mixture 100mg/mL	
76	Chlorhexidine 0.02% Eye Drops	
77	Chlorhexidine 1 in 100 (1%) in Aqueous/Water	
78	Chlorhexidine 1 in 1000 (0.1%) in Aqueous/Water	
79	Chlorhexidine 1 in 200 (0.5%) in Alcohol 70%	
80	Chlorhexidine 1 in 200 (0.5%) in Aqueous/Water	
81	Chlorhexidine 1 in 200 (0.5%) in Methylated Spirit 70%	
82	Chlorhexidine 1 in 2000 (0.05%) in Alcohol 70%	
83	Chlorhexidine 1 in 2000 (0.05%) in Aqueous/Water	
84	Chlorhexidine 1 in 2000 (0.05%) in Methylated Spirit 70%	
85	Chlorhexidine 1 in 50 (2%) in Alcohol 70%	
86	Chlorhexidine 1 in 50 (2%) in Aqueous/Water	
87	Chlorhexidine Gluconate 0.2% Mouthwash	
88	Chloroform Spirit BP (5% v/v)	
89	Chloroform Water BP (Single Strength Chloroform Water BP)	
90	Chloroform Water Double-Strength BP (0.5% v/v)	
91	Chloroquine 15mg/mL Suspension	
92	Ciclosporin A 0.05% Eye Drops	
93	Ciclosporin A 0.5 % Eye Drops	
94	Ciclosporin A 1% Eye Drops	
95	Ciprofloxacin 50mg/mL Suspension	
96	Citric Acid 25% Solution	
97	Citric Acid 50% Solution	
98	Clonazepam Suspension 0.1mg/mL	

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Bil.	Nama Ubat	Catatan
99	Clopidogrel 5mg/ml Suspension	
100	Clozapine 20mg/ml Oral Suspension	
101	Coal Tar (LPC) 1% Ointment	
102	Coal Tar (LPC) 2% Ointment	
103	Coal Tar (LPC) 3% Ointment	
104	Coal Tar (LPC) 5% Ointment	
105	Coal Tar (LPC) 6% Ointment	
106	Coal Tar (LPC) 9% Ointment	
107	Coal Tar 1%, Salicylic Acid 2% Ointment	
108	Coal Tar 3%, Salicylic Acid 2% Ointment	
109	Coal Tar 3%, Salicylic Acid 3% Ointment	
110	Coal Tar 6%, Salicylic Acid 2% Ointment	
111	Coal Tar 6%, Salicylic Acid 3% Ointment	
112	Coal Tar 6%, Salicylic Acid 6% Ointment	
113	Coal Tar 9%, Salicylic Acid 2% Ointment	
114	Cocaine 5% Solution	
115	Cocaine 10% Solution	
116	Cocaine HCl 25% and Adrenaline 0.1% Paste	
117	Cocoi Co. Ointment (Coconut Oil Compound Oint)	
118	Concentrated Anise Water BP	
119	Concentrated Camphor Water BP	
120	Concentrated Chloroform Water BPC (10% v/v)	
121	Concentrated Peppermint Emulsion BP	
122	Cyclophosphamide 10mg/ml Oral Liquid	
123	Dapsone 2mg/ml Oral Suspension	
124	Dexamethasone 0.5mg/ml Oral Suspension	
125	Diazoxide 10mg/ml Oral Suspension	
126	Diltiazem 12mg/ml Oral Suspension	
127	Dopamine HCl 10mg/ml Injection	
128	Emulsifying Ointment BP (Emulsificant Oint)	
129	Enalapril 0.1mg/mL Suspension	
130	Enalapril 1mg/ml Oral Suspension	
131	Ethambutol 100mg/ml Oral Suspension	
132	Famotidine 8mg/ml Oral Suspension	
133	Fentanyl Citrate 10mcg/ml PCA (50ml)	
134	Fentanyl Citrate 20mcg/ml PCA (30ml)	
135	Fentanyl Citrate 20mcg/ml PCA (50ml)	
136	Ferric Ammonium Citrate (80mg/5ml Elemental Iron) Mixture FAC	Deleted 4/12/23
137	Ferric ammonium citrate (elemental iron 86mg/5ml) oral solution	Newly added 4/12/23
138	Ferric Ammonium Citrate 400mg/5ml (FAC)	
139	Flecainide acetate 20mg/ml Oral Suspension	
140	Fluconazole 0.2% Eye Drops	
141	Flucytosine 10mg/ml Oral Suspension	
142	Flucytosine 50mg/ml Oral Suspension	
143	Folic Acid 1 mg/ml Oral Suspension	
144	Formaldehyde 10% Solution	
145	Gabapentin 100mg/ml Oral Suspension	
146	Gamma Benzene Hexachloride 0.1 % Lotion	
147	Ganciclovir 2% Eye Drop	

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Bil.	Nama Ubat	Catatan
148	Gentamicin 0.9% Fortified Eye Drops	
149	Gentamicin 1.36% Fortified Eye Drop	
150	Gentamicin 1.4% Fortified Eye Drops	
151	Gentamicin 1.5% Fortified Eye Drops	
152	Gentamicin 1.6% Fortified Eye Drop	
153	Gentamicin 3% Fortified Eye Drops	
154	Glycerin 50% Oral Solution	
155	Glycerin Ear Drop	
156	Glycopyrrolate 0.5 mg/ml Oral Suspension	
157	Granisetron Hydrochloride 0.05mg/ml Oral Suspension	
158	Heparin 1 IU/ml in 0.45% Sodium Chloride	
159	Heparin 1 IU/ml in 0.9% Sodium Chloride	
160	Heparin Sodium 1 IU/ml in NaCl 0.45% Inj	
161	Homatropine 1% Eye Drop	
162	Hydrochlorothiazide 5mg/mL Suspension	
163	Hydrocortisone 0.1% Enema (100mg/100ml)	
164	Hydrocortisone 1mg/ml Oral Suspension	
165	Hydrocortisone 25mg/ml Ophthalmic Solution, Preservative Free	Newly added 28/8/23
166	Hydrogen Peroxide 1.5% Ear Drops	
167	Hydrogen Peroxide 10 volume solution (3%)	
168	Hydrogen Peroxide 20 volume Solution (6%)	
169	Hydrogen Peroxide 5 volume (1.5%) Mouthwash	
170	Hydrogen Peroxide 5 volume Solution (1.5%)	
171	Hydroxychloroquine 25mg/ml Oral Suspension	
172	Ichthammol Glycerin 10% Ear Drops	
173	Indomethacin 5mg/mL Syrup	
174	Industrial Methylated Spirit 70% (Industrial Denatured Alcohol)	
175	Iodine and Potassium Iodide Aqueous Solution (Lugol's Solution)	
176	Iodine Tincture (Weak Iodine Solution BP)	
177	Isoniazid 10mg/mL Oral Suspension	Updated 15/5/23
178	Isoniazid 40mg/mL Oral Suspension	
179	Itraconazole 20mg/ml Oral Suspension	Newly added 12/9/23
180	Ketoconazole 20mg/ml Oral Suspension	
181	Labetalol 10mg/mL Syrup	
182	Labetalol 40mg/mL Syrup	
183	Lamotrigine 1mg/ml Oral Suspension	
184	Lansoprazole 3mg/mL Suspension	Updated 29/11/23
185	Lemon Spirit BP	
186	Lemon Syrup BP	
187	Levobupivacaine 1 mg/ml + Fentanyl 2 mcg/ml Epidural	
188	Lipid Soln 15ml 26kcal, Lipid + Water Soluble Vitamin	
189	Lipid Soln 18ml 28.8kcal, Lipid + Water Soluble Vitamin (3.2gLipid/18ml)	
190	Lipid Soln 18ml 33kcal (without SoluvitN)	
191	Lipid Soln 30ml 52kcal, Lipid + Water Soluble Vitamin	
192	Lipid Soln 36ml, Lipid + Water Soluble Vitamin (6.4g/36ml)	
193	Lipid Soln 45ml 80kcal, Lipid + Water Soluble Vitamin	
194	Lipid Standard 2 (25kcal, 15ml)	
195	Lipid Standard 3 (9kcal, 5ml)	
196	Liquid Paraffin	

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Bil.	Nama Ubat	Catatan
197	Liquid Paraffin Sterile	
198	Lorazepam 0.4mg/mL Syrup	
199	Magnesium Sulphate 10 mmol/500ml Injection	
200	Magnesium Sulphate 45% Paste (Morrison Paste)	
201	Magnesium Sulphate Mixture (Mistura Alba) 2gm/5ml	
202	Menthol 1% in Aqueous Cream	
203	Menthol in Spirit Inhalation	
204	Methoxsalen 0.1% Ointment	
205	Methylcellulose 1% Suspending Agent (0.01gmL)	
206	Metolazone 1mg/ml Oral Suspension	
207	Metoprolol 10 mg/ml Suspension	
208	Metronidazole 10mg/ml Oral Suspension	
209	Mitomycin 0.02% Eye Drops	
210	Mitomycin 0.025% Eye Drop	
211	Mitomycin 0.04% Eye Drops	
212	Morphine HCl 10 mg/5 ml Solution	
213	Morphine Sulphate 1 mg/ml PCA (30ml)	
214	Morphine Sulphate 1 mg/ml PCA (50ml)	
215	Nifedipine 1mg/mL Suspension	
216	Nifedipine 4mg/ml Oral Suspension	
217	Nitrofurantoin Suspension 10mg/ml	
218	Noradrenaline Acid Tartrate 4 mg/50 ml Injection	
219	Olive Oil Ear Drops	Updated 22/1/24
220	Omeprazole 2mg/mL Suspension	
221	Ondansetron 0.8mg/ml Oral Suspension	
222	Oseltamivir 15mg/ml Oral Suspension	
223	Pantoprazole 2mg/ml Oral Solution	
224	Pentoxifylline 20mg/mL Solution	
225	Pethidine 2 mg/ml Epidural	
226	Phenobarbitone 10mg/mL Suspension	
227	Phytomenadione 1mg/mL (Vitamin K1) Liquid	
228	Piperacillin/Tazobactam 10% Eye Drop	
229	PN Soln 1, 100ml 72kcal Dext 14%, K nil (Starter)	
230	PN Soln 10, Starter without K+, 48.3kcal	
231	PN Soln 100ml 49.19kcal Dext 10% Soln A	
232	PN Soln 100ml Starter Dext 10%	
233	PN Soln 100ml, Starter, Dextrose 10% without Potassium	
234	PN Soln 12, 200ml 94kcal, Dext 10%, Na 5.2mmol)	
235	PN Soln 13, 200ml (94kcal, Dext 10%, Na 14mmol)	
236	PN Soln 14, 100ml (47kcal, Dext 10%, Na 4.1mmol)	
237	PN Soln 15, 200ml (100kcal, Dext 10%, organic PO4+)	
238	PN Soln 16 200ml 100kcal 10% Dextrose KPHPO	
239	PN Soln 17, Starter 200ml 100kcal 10%Dext without K+	
240	PN Soln 18, Starter 100ml 46kcal 10%Dext without Na+ K+	
241	PN Soln 2, 200ml 144kcal Dext 14% Maintenance	
242	PN Soln 200ml 104kcal Starter Dext 10%	
243	PN Soln 200ml 93.38kcal Dext 10% High Na+ Soln C	
244	PN Soln 200ml 93.38kcal Dext 10% Soln B	
245	PN Soln 200ml High Sodium Dextrose 12%	

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Bil.	Nama Ubat	Catatan
246	PN Soln 200ml Normal Sodium Dextrose 10%	
247	PN Soln 200ml, High Sodium Dextrose 10%	
248	PN Soln 3, 400ml, Preterm, Dextrose 10%, Normal sodium	
249	PN Soln 350ml 143.5kcal Preterm Standard Dext 7.5%	
250	PN Soln 350ml 178.5kcal Preterm Standard Dext 10%	
251	PN Soln 350ml 178.5kcal Preterm Standard High Na+ Dext 10%	
252	PN Soln 4, 300ml, Preterm Dextrose 10% Na 6mmol	
253	PN Soln 400ml 204.1kcal Preterm Dextrose 10% High Sodium	
254	PN Soln 400ml 204.1kcal Preterm Dextrose 10% Normal Sodium	
255	PN Soln 400ml 225.81 kcal Term Dextrose 12%	
256	PN Soln 5, 200ml (115kcal, Dext 15%, Na 6mmol)	
257	PN Soln 500ml 282.5kcal Term Standard Dext 12%	
258	PN Soln 6, 200ml 115kcal, Dext 12.5% Na 8mmol	
259	PN Soln 7, 200ml (115kcal, Dext 15%, Na 8mmol)	
260	PN Soln 8, 200ml (94kcal, Dext 10%, Na 6.8mmol)	
261	PN Soln 9, Starter 100ml (47.2kcal, Dext 10%, K nil)	
262	PN Soln C, 150ml, Starter Dext 10% Na 2.6mmol	
263	Podophyllum 10 % Paint	
264	Podophyllum 15% Paint [Compound Podophyllin Paint BP]	
265	Podophyllum 20% Paint	
266	Polycitra Syrup	
267	Potassium Chloride 1gm/10ml Mixture	
268	Potassium Citrate 3g/10ml Mixture BPC	
269	Potassium Permanganate 0.1% Solution	
270	Potassium Permanganate 1 in 10,000 Solution	
271	Potassium Permanganate 1 in 20,000 Solution	
272	Potassium Permanganate 1% Solution	
273	Potassium Permanganate 1.5% Solution	
274	Potassium Permanganate 2% Solution	
275	Potassium Permanganate 5% Solution	
276	Potassium Permanganate 6% Solution	
277	Prednisolone 5 mg/ 1ml Syrup	Newly added 26/9/23
278	Propranolol 0.5mg/ml Oral Suspension	
279	Propranolol 1mg/ml Oral Suspension	
280	Propranolol 2mg/ml Oral Suspension	
281	Propylthiouracil 5mg/ml Oral Suspension	
282	Pyrazinamide 100mg/mL Syrup	
283	Pyrazinamide 10mg/mL Suspension	
284	Pyrazinamide 200mg/mL Oral Suspension	
285	Reconstituted Oral Rehydration Salt for Severely Malnourished Children	
286	Rifabutin 20mg/ml Oral Suspension	
287	Rifampicin 10mg/ml Oral Syrup	
288	Rifampicin 25mg/ml Oral Suspension	
289	Rifampicin 50mg/ml Oral Suspension	
290	Ropivacaine 2 mg/ml (0.2%) Epidural	Updated 26/9/23
291	Ropivacaine 0.5 mg/ml + Fentanyl 2 mcg/ml Epidural	
292	Ropivacaine 1 mg/ml + Fentanyl 2 mcg/ml Epidural	
293	Ropivacaine 2mg/ml (0.2%) and Fentanyl 2mcg/ml Epidural	Updated 26/9/23
294	Salicylic acid 1% Ointment	

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Bil.	Nama Ubat	Catatan
295	Salicylic Acid 10% Cream	
296	Salicylic Acid 10% Ointment	
297	Salicylic Acid 2 % Lotion	
298	Salicylic Acid 2% Cream	
299	Salicylic Acid 2% Ointment	
300	Salicylic acid 20% Cream	
301	Salicylic Acid 20% Ointment	
302	Salicylic Acid 3% Ointment	
303	Salicylic acid 4% Cream	
304	Salicylic Acid 4% Ointment	
305	Salicylic Acid 5% Cream	
306	Salicylic Acid 5% Ointment	
307	Salicylic Acid 6% Ointment	
308	Shohl's Solution (Sodium Citrate 490mg/Citric Acid 640mg per 5ml)	
309	Shohl's Solution (Sodium Citrate 500mg/Citric Acid 334mg per 5ml)	Updated 20/6/23
310	Sildenafil 2.5mg/mL Suspension	
311	Silver Nitrate 0.5% Lotion	
312	Silver Nitrate 10% Lotion	
313	Silver Nitrate 20% Lotion	
314	Simple Ointment	
315	Sodium Bicarbonate (Carminative Infant) Mixture 10mg/ml	
316	Sodium Bicarbonate 5% Bulk Solution for Ear Drop	
317	Sodium Bicarbonate 5% Ear Drops (10ml)	
318	Sodium Bicarbonate 5% Ear Drops (5ml)	
319	Sodium Bicarbonate 8.4% Oral Solution (84mg/ml)	
320	Sodium Bicarbonate Mouthwash	
321	Sodium Chloride 0.9% Ear Drop	
322	Sodium Chloride 0.9% Nasal Drops	
323	Sodium Chloride 0.9% Solution (9mg/ml, 0.5mmol/ml)	
324	Sodium Chloride 1g/10ml Oral Solution (1.71mmol/ml)	
325	Sodium Chloride 1g/5ml Oral Solution (3.42mmol/ml)	
326	Sodium Chloride 3% Eye Drops (Hypertonic Saline)	Updated 28/8/23
327	Sodium chloride 6% Nebulizer Solution	
328	Sodium Citrate 0.3 M Solution	
329	Sodium Citrate, Citric Acid Mixture 3 g/10 ml	
330	Sodium Hypochlorite 1% Solution	
331	Sodium Hypochlorite 2% Solution	
332	Sodium Hypochlorite 5.25% Solution	
333	Sodium Phosphate 1.2g/10ml (10mmol/10ml) Oral Liquid	
334	Sodium Thiosulphate 20% Lotion	
335	Soluvit N in Lipid 20% Solution	
336	Sotalol 5mg/ml Oral Suspension	
337	Spironolactone 1.25mg/ml Oral Syrup	
338	Spironolactone 2.5mg/ml Syrup	
339	Spironolactone 5mg/ml Oral Suspension	
340	Sulfasalazine 100mg/ml Oral Suspension	
341	Sulphur 1% in Calamine Lotion	
342	Sulphur 2% in Calamine Lotion	
343	Sulphur 3% in Calamine Lotion	

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Bil.	Nama Ubat	Catatan
344	Sulphur 4% in Calamine Lotion	
345	Sulphur 6% in Calamine Lotion	
346	Syrup BP / Simple Syrup	
347	Tacrolimus 0.5mg/ml Oral Suspension	
348	Terbinafine 25mg/ml Oral Suspension	
349	Thiamine 20mg/ml Oral Suspension	
350	Tinea Lotion	
351	Topiramate 6mg/mL Suspension	
352	Tramadol HCl 10mg/ml PCA (50ml)	
353	Tramadol 5mg/ml Oral Suspension	
354	Tramadol HCl 2mg/ml Epidural	
355	Trichloroacetic Acid 100% Topical Solution	
356	Trichloroacetic Acid 25% Topical Solution	
357	Trichloroacetic Acid 50% Topical Solution	
358	Trichloroacetic Acid 60% Topical Solution	
359	Trimethoprim 10mg/mL Oral Syrup	
360	Trimethoprim 10mg/mL Suspension (50mg/5mL)	
361	Ursodeoxycholic 50mg/mL Acid Suspension	
362	Valganciclovir 60mg/ml Oral Suspension	
363	Vancomycin 33mg/mL (3.3%) Eye Drops	
364	Vancomycin 5% Eye Drops	Updated 28/8/23
365	Verapamil 50mg/mL Suspension	
366	Verapamil 8mg/ml Oral Suspension	
367	Vitalipid and Soluvit Injection (Adult)	
368	Vitalipid and Soluvit Injection (Paeds)	
369	Voriconazole 1% Eye Drop	
370	Warfarin 0.2mg/ml Oral Suspension	
371	Weak Ginger Tincture BP	