

Table 1.8 Perbandingan Proses

Sumber Proses	US Patent No. 3681306A	European Patent No. 0026613B1	WO Patent No. 156393 A1	US Patent 9181357 B2
Tahun	1972	1984	2012	2015
Bahan Baku	<i>Ethylene, Propylene, 1,4 Hexadiene, Hexane</i> (Pelarut)	<i>Ethylene, Propylene, N-Vinyl Pyrrolidone, Hexane</i> (Pelarut)	<i>Ethylene, Propylene, Ethyldene Norbonene (ENB), Vinyl Norbonene (VNB), Hexane</i> (Pelarut)	<i>Ethylene, Propylene, Ethyldene Norbonene (ENB), Hexane</i> (Pelarut)
Suhu Operasi Reaktor (°C)	Tubular Reaktor = 50°C Reaktor = 40°C	Reaktor Polimerisasi = 30°C Bejana Konsentrat = 87,8°C Mixer = 87,8°C Deflasher 1 = 149°C Deflasher 2 = 188°C	Reaktor = 45 °C Mixer = 35 °C	Reaktor = 50 °C Separator = 40 °C
Tekanan (kPa)	Reaktor = 514,85	Reaktor Polimerisasi = 20,67 Bejana Konsentrat = 142,20 Deflasher 1 = 14,22 – 355 Deflasher 2 = 9,47	Reaktor = 1.378,95 Mixer = 1.310	Reaktor = 1.000 Separator = 1.000
Katalis	<i>Ziegler-Natta (Vanadium Benzotrichloride), Diisobutyl Aluminium Chloride (Co-Katalis)</i>	<i>Ziegler Natta</i>	<i>Ziegler-Natta (Vanadium Oxytrichloride), Ethyl Aluminium Sesquichloride (Co-Katalis)</i>	<i>Ziegler-Natta (Vanadium Oxytrichloride), Ethyl Aluminium Sesquichloride (Co-Katalis)</i>

